

BULLETIN OF THE
PENNSYLVANIA
Department of Agriculture
HARRISBURG, PA.

Vol. 4

MAY, 1921

No. 5

GENERAL BULLETIN NO. 356

FEEDING STUFFS REPORT
1920

JAMES W. KELLOGG, Chief Chemist

BUREAU OF CHEMISTRY



Published Monthly by Direction of

FRED. RASMUSSEN, *Secretary of Agriculture, Harrisburg, Pa.*

Entered as Second Class Matter, March 22, 1918, at the Post Office at Harrisburg, Pa., under the Act of June 6, 1900. Acceptance for mailing at special rate of Postage provided for in Section 1103, Act of October 3, 1917, authorized on June 29, 1918.



CONTENTS.

	Page
Letter of Transmittal,	5
Introduction,	7
Acknowledgments,	9
Feeding Stuffs Registrations,	10
Discussion of the Results of Inspection,	61
Oil Cake Products,	62
Distillery and Brewery By-Products,	64
Maize By-Products,	65
Wheat Offals,	66
Rye Offals,	69
Wheat and Rye Offals,	69
Oat By-Products,	69
Barley Offals,	70
Buckwheat Offals,	70
Alfalfa Meal,	71-2
Dried Beet Pulp,	71
Mixed Feeds :—Proprietary and Miscellaneous,	72
Average Total Analyses of Mixed Feeds,	74
Proprietary Dairy Feed,	77
Proprietary Dairy Feed with Molasses,	77
Proprietary Stock, Horse and Mule Feed,	78
Proprietary Stock, Horse and Mule Feed with Molasses,	79
Proprietary Calf Meal,	79
Proprietary Swine Feed,	80
Proprietary Chop Feed,	80
Miscellaneous Chop Feed,	81
Miscellaneous Feed,	81
Proprietary Poultry Feed,	81
Animal By-Products,	82
Condimental Stock and Poultry Food,	83
Guarantees and deficiencies,	84
Table showing classification of samples and summary of deficiencies,	86
Average analyses and retail prices with table,	87
Analyses of special samples from manufacturers and purchasers,	90
Directions for analysis of special samples,	90
Analyses of Official Samples with index to table,	91
Table showing results of chemical and microscopical examinations,	93-302



LETTER OF TRANSMITTAL.

PENNSYLVANIA DEPARTMENT OF AGRICULTURE

Bureau of Chemistry.

Harrisburg, Pa., April 1, 1921.

Hon. Fred, Rasmussen,
Secretary of Agriculture,
Harrisburg, Pa.

Dear Sir:—I have the honor to transmit herewith for your approval a report showing the results obtained by this Bureau during 1920 in the enforcement of the law regulating the sale of Concentrated Commercial Feeding Stuffs. It includes a list of registered brands, a discussion of the results of inspection, tabulated results of chemical analyses and microscopical examinations of each sample received and such additional information thought to be of interest.

It is recommended that this report be published in bulletin form for distribution.

Very respectfully,

JAMES W. KELLOGG,
Chief Chemist.



FEEDING STUFFS REPORT

1920

INTRODUCTION.

The feeding stuffs inspection work, performed during 1920 and conducted in accordance with the law regulating the sale of concentrated commercial feeding stuffs, consisted as heretofore in the registration of the several brands to be offered for sale, the inspection of methods of labeling and selling, the collection and analysis of official samples to determine whether or not the guarantees required to be printed upon sacks or attached cards or attached to bins where bulk sales were being made, were correct, the analysis of special samples submitted by residents of the State and the prosecution of those dealers or selling agents, where violations were found to have occurred.

Registrations were accepted previous to January 1st, and subsequently during the year, from 568 manufactures and importers covering 2,712 different kinds and brands of feeding stuffs. A number of applications for registration for certain brands were received which could not be accepted for the reason that they were so branded, guaranteed or included ingredients as to not conform with the requirements. The brands of feeds included in the large table showing results of analyses, which were not registered, are indicated by an asterisk (*) and, as will be noted, many of these brands shown to be not registered were sold in violation of the requirements because of their being guaranteed higher or contained more fiber than permitted, or because they contained certain prohibited ingredients.

In selecting samples for analysis the special agents of the Bureau visited selling agents and dealers in 385 towns and cities in 55 counties and submitted 1,100 official samples, together with reports for each, representing 662 different kinds and brands of the feeding stuffs sold in Pennsylvania. Selling agents and dealers in a number of localities were visited from whom only a few or no samples were taken in order to avoid duplication of work and especially as the same brands had previously been sampled and where the conditions of labeling appeared to be in proper form. It will be noted that the number of samples and brands examined were less than those regis-

tered, however because of the conditions found prevailing throughout the State, where it was evident no violations in branding or labeling appeared, it seemed unnecessary to analyze a larger number of samples and thus cause a greater expense, which would not have resulted in materially improving conditions. Each sample was analyzed for moisture, protein, fat and fiber to determine the correctness of guarantees and examined microscopically to ascertain whether or not the lists of ingredients or compositions were correctly shown and for the purpose of detecting the presence of foreign, prohibited or excess of restricted by-products. Reports of the results of analysis of each sample were submitted to the manufacturers and the selling agents from whom they were obtained.

In addition to the official samples 278 special feeds, together with the required fee of \$1.00 for each, were received and analyzed in accordance with the provisions made for this work. As soon as the results were obtained reports and answers to inquiries, relative to labeling and registering, where necessary, were submitted and the moneys received were paid to the State Treasurer as required. Because of the private nature of this work a tabulation of the results secured was not made and included in this report.

It was found necessary during the year to order prosecutions in those cases where violations of a more marked or serious nature were found, however, these cases were less numerous than those ordered last year and were approximately four per cent. of the samples received. There were, of course, a large number of minor variations from guarantees, many, as will be noted, being within the tolerances permitted. Of the total number guaranteed for protein and fat, there were 145, or 14.3 per cent., of the samples which were found to be deficient in protein to the extent of 1 per cent. and in fat to the extent of .50 per cent. or more below their guarantees. A great many of these deficiencies, compared with the guarantees as referred to, were within the tolerances permitted by the law. Of this total number 9 were deficient in both protein and fat; 55, or 5.4 per cent., in protein alone, and 81, or 8.0 per cent., in fat alone. There were 704, or 64 per cent. of the samples received classified as mixed feeds, having proprietary or distinct brand names and being mixtures of two or more ingredients and the greatest proportion of deficiencies occurred in this class. Of these mixed feeds 298, or 42.4 per cent., were found, upon microscopical examination, to vary in their compositions or lists of ingredients where certain ingredients claimed were found absent and additional ingredients noted found present, including those samples which contained prohibited materials in varying amounts such as rice hulls, whole weed seeds, peanut hulls and peanut skins. Fiber in excess of 10 per cent. occurred in 129, or 11.7 per cent., of

these feeds where restricted materials such as oat hulls, oat meal mill by-product, clipped oat by-product, flax plant refuse and cottonseed hulls were included as ingredients. Many of these variations were not of a serious nature, however the large proportion of violations herein noted indicates much needed care in the stating of correct guarantees and lists of ingredients.

Compared with the results obtained upon the samples examined during 1919 there was a slight increase in total deficiencies and in the case of the mixed feeds a 20 per cent. increase in variations from compositions was observed in the samples examined during 1920. The general character of the feeds, however, was good and were not as a rule seriously changed in character by the absence of one ingredient or addition of another, especially where the total amounts of feeding value, indicated by the guarantees being sustained upon analysis, occurred. As will be noted many overages were observed and in a number of cases the feeding stuffs were found to be better than claimed.

In the following pages will be found the Acknowledgments, a list of the brands of feeding stuffs registered during the year, a Discussion of the Results of Inspection, which shows more in detail the variations and deficiencies found for each class of feeds, together with a table showing average total compositions of certain of the Dairy, Stock, Horse, and Mule Mixed Feeds, including the percentages of nitrogen free extract and crude ash, a paragraph dealing with Guarantees and Deficiencies with table showing classification of samples analyzed and summary of deficiencies, Average Analyses and Retail Prices, with table, Analysis of Special Samples of feeding stuffs and Directions for Analysis of Special Samples, and Table No. III showing in detail the analyses and microscopical results secured for each sample.

ACKNOWLEDGMENTS.

The immediate supervision of the analytical work was in charge of Mr. V. B. Hausknecht, First Assistant Chemist, and Mr. H. E. Gensler, had charge of the reception and preparation of samples, examined each sample received microscopically and made check determinations where necessary on portions of original samples. The following assistant chemists performed the analytical work: Messrs. G. J. Kuhlman, Jr., F. B. Williams, C. R. Engle, Leroy Pennypacker, R. L. Houtz and W. W. Cassel. Mr. W. E. Huber, Clerk, had charge of the compilations and preparation of tables and the major portion of the work in preparing the data for this report.

REGISTRATIONS.

Previous to January 1st and subsequently during the year 568 applications for registration were received from manufacturers and importers covering 2,712 different brands and kinds of feeding stuffs, upon blank forms, which were submitted as required, and filed as being registered for 1920. The names of the firms from whom registrations were received, together with the brands and kinds of feeds listed and registered, were as follows:

- Acme-Evans Co., Indianapolis, Ind.
 Acme Alfalfa Molasses Grain Feed.
 Acme Barleycorn Feed,
 Acme Bran,
 Acme Chick, with Grit,
 Acme Chick, without Grit,
 Acme C. O. B. Chop,
 Acme Cracked Corn,
 Acme Dairy Feed,
 Acme Dry Mash,
 Acme Farm Feed,
 Acme Feed,
 Acme Hog Feed,
 Acme Horse & Mule Feed,
 Acme Middlings,
 Acme Reddog,
 Acme Scratch, with Grit,
 Acme Scratch, without Grit,
 Acme Stock Feed,
 E.-Z. Scratch, with Grit,
 E.-Z. Scratch, without Grit,
 Homlik Feed.
- Acme Food Products Corp., New York N. Y.
 Hotab.
- Acme Manufacturing Co., Wheaton, Ill.
 Acme Calf Meal,
 Acme Pig Meal.
- Acme Milling Co., Olean, N. Y.
 Acme Dry Mash,
 Acme Feed,
 Yellow Corn Feed Meal "S."
- Adler Brothers, Altoona, Pa.
 Adler's Hog Feed.
- Akron Feed & Milling Co., Akron, Ohio.
 C. O. & B. Stock Feed,
 Portage Barley Feed,
 Portage Chick Feed,
 Portage Corn & Oats Chop,
 Portage Fancy Middlings,
 Portage Fancy Mixed Feed,
 Portage Flour Midds,
 Portage Horse Feed,
 Portage Scratch Feed,
 Portage Stock Feed,
 Portage Yellow Feed Meal
 Yellow Hominy Feed.
- Allen Milling Co., Niagara Falls, N. Y.
 Allen's Full-Nest Mash for Layers,
 Allen's Full-Nest Nutro Chick Mash,
 Allen's Full-Pail Dairy Feed,
 Allen's Pork Maker Hog Meal.
- Allen & Wheeler Co., The, Troy, Ohio.
 Trojan Bran,
 Trojan Corn & Oats Feed,
 Trojan Cracked Corn,
 Trojan Feed Meal,
 Trojan Middlings,
 Trojan Mixed Feed.

American Agricultural Chemical Co., The, New York, N. Y.
 Protox Pure Ground Meat Scraps.

American Cotton Oil Co., The, New York, N. Y.
 Aco Brand Cotton Seed Meal,
 American Red Tag Cotton Seed Meal,
 Columbia Cotton Seed Feed,
 Surety Brand Cotton Seed Feed,
 Yellow Tag Cotton Seed Meal.

American Hominy Co., Indianapolis, Ind.
 Homco Hominy Feed,
 Homco Wheat Bran & Screenings,
 Homco Wheat Middlings,
 Homco Wheat Mill Run & Screenings,
 Homcoline Feed.

American Linseed Co., New York, N. Y.
 Old Process Oil Meal.

American Maize Products Co., New York, N. Y.
 Amaizo-Corn Germ Meal,
 Cream of Corn Gluten Feed.

American Milling Co., Peoria, Ill.
 Amco Alfalfa Molasses Feed,
 Amco Dairy Feed,
 Amco Fat Maker,
 Amco Old Process Linseed Meal and Old Process Screenings Oil Feed,
 Cluck Cluck Scratch Feed,
 Cluck Cluck Scratch Feed, 5 per cent. Grit.
 Distillers' Dried Grain.
 Empire 20% Dairy Feed,
 Kickapoo Horse Feed,
 Peoria Horse Feed,
 Suerene Calf Meal,
 Suerene Chick Feed,
 Suerene Chick Feed, 5 per cent. Grit,
 Suerene Dairy Feed,
 Suerene Hog Meal,
 Suerene Horse Feed with Alfalfa,
 Suerene Horse & Mule Feed,
 Suerene Pigeon Feed,
 Suerene Scratch Feed,
 Suerene Scratch Feed, 5 per cent. Grit,
 Tip Top Horse Feed, with Alfalfa,
 Tip Top Scratch Feed,
 Tip Top Sugared Feed.

Anderson Brothers Co., York, Pa.
 A. B. C. Chick Feed,
 A. B. C. Dairy Feed, 24%,
 A. B. C. Dairy Feed, 20%,
 A. B. C. Dairy Feed, 16½%,
 A. B. C. Hog Feed,
 A. B. C. Horse Feed,
 A. B. C. Laying Mash,
 A. B. C. Pigeon Feed (Cracked Corn),
 A. B. C. Pigeon Feed (No Corn),
 A. B. C. Pullet Feed,
 A. B. C. Scratch Feed,
 A. B. C. Steer Fattener,
 A. B. C. Stock Feed,
 Buttermilk Chick Mash,
 Buttermilk Laying Mash,
 White Rose Scratch Feed.

Ansted & Burke Co., The, Springfield, Ohio.
 Bran,
 Corn & Oats Chop,
 Feed Meal,
 Humpty Dumpty Chick Feed, with Grit,
 Humpty Dumpty Chick Feed, no Grit,
 Humpty Dumpty Scratch Feed, with Grit,
 Humpty Dumpty Scratch Feed, no Grit,
 Middlings,
 Mixed Feed,
 Ohio Farm Feed.

Anthracite Brewing Co., Mt. Carmel, Pa.
Brewers' Dried Grains.

Arcady Farms Milling Co., Chicago, Ill.

Arcady Baby Chick Feed,
Arcady Baby Chick Feed with Grit, Shell and Charcoal,
Arcady Calf Meal,
Arcady Chick Feed,
Arcady Chick Feed with Grit and Charcoal,
Arcady Dairy Feed,
Arcady Egg Mash,
Arcady Hog Meal,
Arcady Horse Feed,
Arcady Poultry Feed,
Arcady Poultry Feed with Grit, Shell and Charcoal.
Arcady Stock Feed,
Arco Milk Maker,
Arco Milk Ration,
Atlantic Poultry Feed,
Certified Dairy Ration,
Country Gentlemen Horse Feed.
Milker Ready Ration,
Producers' Ready Ration,
Red "D" Dairy Ration,
Red "D" Ration,
Riverside Poultry Feed with Grit,
Riverside Poultry Feed no Grit,
Riverside Ready Ration,
Sunkist Baby Chick Feed with Grit,
Sunkist Baby Chick Feed no Grit,
Sunkist Cotton-seed Feed.

Archer-Daniels Linseed Co., Buffalo, N. Y.
Old Process Ground Linseed Cake.

Armour Fertilizer Works, Chicago, Ill.
Armour's Blood Meal,
Armour's Meat Meal.

Ash Brothers, Briar Creek, Pa.
Mother Chick Feed,
Scratching Grain.

Ashcraft-Wilkinson Co., Atlanta, Ga.
Crown Brand Cotton Seed Meal,
Helmet Brand Cotton Seed Meal,
Monarch Brand Cotton Seed Meal,
Paramount Brand Cottonseed Feed.

Atkinson Milling Co., Minneapolis, Minn.
Atkinson's Watchword (Reddog) Flour.
Atkinson's Wheat Bran with Ground Screenings,
Atkinson's Wheat Standard Middlings with Ground Screenings.

Atlantic Export Co., New York, N. Y.
Atexco Dried Beet Pulp,
Doctor Spund Dried Brewers' Grains.

Atlas Cereal Co., Kansas City, Mo.
Argosy Horse and Mule Feed,
Big Bill Horse and Mule Feed,
By Hek Hog Feed,
Cameo Horse and Mule Feed,
Dairy Profit Dairy Feed,
Elk Horse and Mule Feed,
Flag Horse and Mule Feed,
Hunkey Alfalfa Molasses Feed,
Its Green Alfalfa Molasses Feed,
Opal Horse and Mule Feed,
Osage Horse and Mule Feed,
Power Horse and Mule Feed,
Prairie Horse and Mule Feed.

Aunt Jemima Mills Company, St. Joseph, Mo.
Aunt Jemima Shorts,
Corn Chop,
Corn Germ Meal,
Hominy Feed,
Wheat Bran and Wheat Screenings.
Wheat Mixed Feed and Wheat Screenings.

Ayer, H. O., Ulster, Pa.
Laying Mash,
Scratch Grains.

Badenoch Co., J. J., Chicago, Ill.
Badenoch's Stock Feed,
C-Em-Grow Hog Feed,
C-Em-Grow Poultry Mash,
C-Er-Lay Developing Feed no Grit,
C-Er-Lay Developing Feed with Grit,
C-Er-Lay Fine Chick Feed no Grit,
C-Er-Lay Fine Chick Feed with Grit,
C-Er-Lay Poultry Feed no Grit,
C-Er-Lay Poultry Feed with Grit,
Daily Egg Chick Feed no Grit,
Daily Egg Chick Feed with Grit,
Daily Egg Poultry Feed no Grit,
Daily Egg Poultry Feed with Grit,
Egg-A-Day Dry Mash,
Gloskoat Horse Feed,
Graingold Dairy Feed,
Honey B Dairy Feed,
Honey B Horse Feed,
Kumboss Dairy Ration,
Kurvnek Horse Feed,
Milky Way Dairy Ration,
Sunflower Poultry Feed no Grit,
Sunflower Poultry Feed with Grit.

Baldwin Flour Mills, Minneapolis, Minn.
Baldwin Wheat Bran with not exceeding Mill Run of Ground Screenings,
Baldwin Wheat Flour Middlings with not exceeding Mill Run of Ground Screenings,
Baldwin Wheat Red Dog,
Baldwin Wheat Shorts with not exceeding Mill Run of Ground Screenings,
Wheat Hub Mixed Feed with not exceeding Mill Run of Ground Screenings.

Ballard & Ballard Company, Louisville, Ky.
All Round Feed,
Ballard Bran,
Ballard Corn, Oat, Barley Chop,
Ballard Corn & Oat Chop,
Ballard Cracked Corn,
Ballard Dairy Feed,
Ballard Hominy Feed Meal,
Ballard Kentucky Farm Feed,
Ballard Mixed Wheat Feed,
Ballard Poultry Mash,
Ballard Scratch Feed.

Baltimore Pearl Hominy Co., Baltimore, Md.
Spring Gardeu Hominy Feed.

Barber Milling Co., Minneapolis, Minn.
Fancy Low Grade,
Pure Wheat Bran Flakes,
Pure Wheat Middlings with Ground Screenings not to exceed Mill Run,
White Middlings with Ground Screenings not to exceed Mill Run.

Baringer, M. F., Philadelphia, Pa.
Choice Cottonseed Meal,
Copra Cake Meal,
Dried Brewers' Grains,
Hominy Feed
M. F. B. Cottonseed Feed,
M. F. B. Goodlow Cottonseed Feed,
M. F. B. Keystone Cottonseed Meal,
M. F. B. Keystone Rye Feed,
M. F. B. Old Process Oil Meal,
M. F. B. Prime Cottonseed Meal,
M. F. B. Wheat Bran with Mill Run Screenings,
M. F. B. Wheat Middlings with Mill Run Screenings,
M. F. B. Wheat Mixed Feed with Mill Run Screenings.

Barley Foods Company, Morgantown, W. Va.
Barley Chop.
Barley Middlings.

Bartlett Co., J. E., Jackson, Mich.

Bartlett's Farmer Brand Choice Cottonseed Meal.
Farmer Brand Choice Cottonseed Meal.

Bast-Fogarty Milling Co., Des Moines, Iowa.

Middlings (Screenings not to exceed Mill Run),
Wheat Bran.

Bate, R. A., Cowanesque, Pa.

All Good.

Battery Park Import & Export Corporation, New York, N. Y.

Brewers Dried Grains,
Distillers Dried Grains,
Dried Sugar Beet Pulp.

Bauer & Wister, Philadelphia, Pa.

Special Horse Feed.

Baugh & Sons Co., Philadelphia, Pa.

Baugh's Meat Meal for Poultry,
Baugh's Special Ground Bone for Poultry.

Bay State Milling Co., Winona, Minn.

Bay State Course Wheat Bran,
Bay State Durum Wheat Middlings and Wheat Screenings,
Bay State Fancy Mixed Wheat Feed and Wheat Screenings,
Bay State Fancy White Flour Middlings,
Bay State Rye Middlings and Screenings,
Bay State Wheat Middlings and Wheat Screenings,
Lowgrade Flour.

Beacon Milling Co., Inc., The, Newark, N. J.

Beacon Chick Feed,
Beacon Dairy Ration,
Beacon Laying Mash,
Beacon Scratch Grains,
Beacon Stock Feed,
Chariot Horse Feed.

Beidler and Co., H., Philadelphia, Pa.

Beidler's Mecca Horse Feed,
Beidler's N-E-G Horse Feed.

Belleville Flour Mills Co., Belleville, Pa.

Corn and Oats Chop,
Wheat Bran,
Wheat Middlings.

Berg Company, The, Philadelphia, Pa.

Berg's 3 Medal Poultry Meat,
Digester Tankage.

Bergen Food Company, Mifflinburg, Pa.

Empire Egg Producer.

Bernet, Craft & Kauffman Milling Co., Mt. Carmel, Ill.

Middlings,
Mixed Feed (Bran and Middlings),
Mt. Carmel Bran.

Big Diamond Mills Co., Minneapolis, Minn.

Big Diamond Bran,
Big Diamond Flour Middlings,
Big Diamond Mixed Feed,
Big Diamond Standard Middlings.

Birkett Mills, The, Penn Yan, N. Y.

Buckwheat Offal Feed,
Hominy Meal,
Wheat Bran,
Wheat Middlings.

Blaine, Mackay, Lee Company, North East, Pa.

Pure Mixed Feed with Mill Run Screenings,
Pure Wheat Bran with Mill Run Screenings,
Pure Wheat Middlings with Mill Run Screenings.

Blake Milling Co., The, Edwardsville, Ill.
Wheat Bran with Ground Screenings not exceeding Mill Run,
Wheat Middlings.

Blamberg Brothers, Inc., Baltimore, Md.
Cornell Buttermilk Chick Starter,
Cornell Buttermilk Fattening Ration,
Cornell Buttermilk Growing Feed,
Cornell Buttermilk Laying Mash,
Cornell Chick Feed,
Cornell Developing Mash,
Cornell Dry Mash,
Cornell Meat and Bone Scrap,
Cornell No. 1 Pigeon Feed,
Cornell No. 2 Pigeon Feed,
Cornell No. 3 Pigeon Feed,
Cornell No. 4 Pigeon Feed,
Cornell Scratch Feed,
Cornell Special Meat and Bone Scrap,
Exlnt Dry Mash,
Exlnt Scratch Feed,
Semi-Solid Buttermilk.

Blank & Gottshall, Sunbury, Pa.
B. & G. Baby Chic Feed,
B. & G. Chic Food,
B. & G. Chic Mash,
B. & G. Dairy Feed,
B. & G. Developing Food,
B. & G. Hen Food,
B. & G. Hen-O-Lay Chick Food,
B. & G. Hen-O-Lay Scratch Food,
B. & G. Horse Feed,
B. & G. Mash Food,
B. & G. Pigeon Food (With Corn),
B. & G. Pigeon Food (Without Corn),
Buckwheat Middlings,
Corn Bran,
Rye Middlings,
Wheat Bran,
Wheat Middlings.

Blatchford Calf Meal Co., Waukegan, Ill.
Blatchford's Calf Meal,
Blatchford's Fill the Basket Egg Mash,
Blatchford's Lamb Meal,
Blatchford's Milk Mash,
Blatchford's Pig Meal,
Blatchford's Rabbit Meal,
Blatchford's Topping off Meal.

Blish Milling Co., Seymour, Ind.
Bull's Eye Mixed Feed.

Bosler Co., C. W., Philadelphia, Pa.
"A" Alfalfa Feed,
Bosco Alfalfa Feed,
Goodrich Alfalfa Feed,
Perfecto Alfalfa Feed,

Bradford & Co., Center Hall, Pa.
Keystone Chop,
Winter Wheat Bran,
Winter Wheat Middlings.

Brandt & Stehman, Mount Joy, Pa.
B. & S. Dry Mash,
B. & S. Growing Feed.

Braun Rendering Co., Pittsburgh, Pa.
Pure Bone and Meat Poultry Food.

Brehm, H. F., Waterloo, N. Y.
Brehm's Beef Scrap and Bone.

Brode & Co., F. W., Memphis, Tenn.
 Dove Brand Cottonseed Meal,
 Jay Brand Cottonseed Feed,
 Owl Brand Cottonseed Meal.

Brown Co., Inc., H. P., Deforest, Wis.
 Honest Abe Dairy Ration.

Buckeye Cereal Co., The, Massillon, Ohio.
 Bar X Dairy Feed,
 Buckeye Chop Feed,
 Buckeye Laying Mash,
 Buckeye Scratch Feed,
 Energy Horse Feed,
 Malto Dairy Feed,
 Special Energy Horse Feed,
 Sweet Moselle Horse Feed,
 Yellow Hominy Feed.

Buckeye Cotton Oil Co., The, Cincinnati, Ohio.
 Buco Cottonseed Feed,
 Cottonseed Feed.

Buehrle Co., The, Albert H., Youngstown, Ohio.
 Hi-Quality Corn Feed Meal,
 Hi-Quality Horse Feed,
 Sure Egg Chick Feed,
 Sure Egg Dry Mash,
 Sure Egg Growing Mash,
 Sure Egg Meat Scrap,
 Sure Egg Scratch Feed.

Buffalo Cereal Co., Buffalo, N. Y.
 Iroquois Chick Feed,
 Iroquois Horse Feed,
 Iroquois Laying Mash,
 Iroquois Poultry Mash,
 Iroquois Scratching Grains,
 Iroquois Stock Feed,
 Target Scratching Grains,
 Yellow Hominy Feed.

Burch, M. E., New Albany, Pa.
 Superior Foot Digester.

Burkholder, John R., Lancaster, Pa.
 "Bovineeda" (Cottonseed Meal and Hulls).

Burns, Bernerd J., Buffalo, N. Y.
 Cotton Seed Feed,
 Ground Beans.

Bushkill Milling Co., Easton, Pa.
 Corn Chop,
 Mixed Feed,
 Wheat Bran,
 Wheat Midds.

Camp Spring Mill Co., St. Louis, Mo.
 Diploma Bran,
 Diploma Feed,
 Diploma Middlings.

Cannon Valley Milling Co., Minneapolis, Minn.
 Cannon Valley Pure Wheat Bran,
 Cannon Valley Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,
 Cannon Valley Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.

Canton Feed & Milling Co., The, Canton, Ohio.
 Bako Hog Meal,
 Bako Milk Feed,
 C. & O. Chop,
 Okay Dairy Feed.

Capital City Milling & Grain Co., St. Paul, Minn.
 St. Paul Queen Fine Ground Mixed Feed,
 St. Paul Queen Wheat Mixed Feed.

Cataract City Milling Co., Niagara Falls, N. Y.
 - Wheat Bran with Ground Screenings not exceeding Mill Run,
 Wheat Mixed Feed with Ground Screenings not exceeding Mill Run,
 Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.
 Wheat White Middlings with Ground Screenings not exceeding Mill Run.

Cavalier Milling Co., Cavalier, N. D.
 Bran,
 Middlings,
 Mixed Feed,

Central Grocery Company, Tifton, Ga.
 Velvet Bean Feed.

Century Milling Co., The, Minneapolis, Minn.
 Berkshire Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,
 Jersey Wheat Bran with Ground Screenings not exceeding Mill Run,
 Poland Wheat Standard Middlings with Ground Screenings not exceeding Mill Run,
 Pure Wheat Red Dog Flour.

Chamberlin Co., F. B., St. Louis, Mo.
 Chamberlin's Perfect Chick Feed,
 Chamberlin's Perfect Hen Feed,
 Chamberlin's Perfect Mash Egg Feed,
 Chamberlin's Perfect Pigeon Feed.

Champion Feed Milling Co., Clinton, Iowa.
 Champion Hog Feed,
 Champion Horse Feed,
 Champion Mo-Las-Cotn Meal,
 Champion Molasses Feed.

Champion Roller Milling Co., Richmond, Ind.
 Mixed Feed.

Chapin & Co., Chicago, Ill.
 Acorn Dairy Feed,
 Bicorn Hog Feed,
 Centaur Feed,
 Lactola Dairy Feed,
 Triangle Dairy Feed,
 Unicorn Dairy Ration.

Chase-Hibbard Corporation, Elmira, N. Y.
 Blue Ribbon Poultry Feed.

Chicago Feed & Fertilizer Co., Chicago, Ill.
 Magic Brand 60% Digester Tankage.

Christenson Co., C. A., Madelia, Minn.
 Wheat Bran with Ground Screenings not exceeding Mill Run,
 Wheat Flour Middlings with Ground Screenings not exceeding Mill Run.
 Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.

Christian Mills, The, Minneapolis, Minn.
 Matchless Pure Wheat Bran,
 Matchless Red Dog Wheat Flour,
 Matchless Rye Middlings with Ground Rye Screenings not exceeding Mill Run,
 Matchless Wheat Flour Middlings with Ground Wheat Screenings not exceeding Mill Run,
 Matchless Wheat Standard Middlings with Ground Wheat Screenings not exceeding Mill Run.

Churchhill Grain & Seed Co., The, Buffalo, N. Y.
 Milk Maid Dairy Feed,
 Scratch Grains,
 Walrus White Middlings.

Circleville Milling Co., Circleville, Ohio.

Pickaway Cracked Corn,
Pickaway Yellow Feed Meal,
Yellow Corn Bran.

City Flouring Mills, Inc., Muncy, Pa.
Balanced Ration.

Claro Milling Co., Waseca, Minn.

Claro Wheat Bran with Ground Screenings,
Claro Wheat Middlings with Ground Screenings,
Claro Wheat Mixed Feed with Ground Screenings.

Cleveland Grain & Milling Co., The, Cleveland, Ohio.
Hominy Feed.

Cleveland Milling Co., Cleveland, Ohio.

Special Fine Middlings with Ground Screenings not exceeding Mill Run,
Standard Middlings with Ground Screenings not exceeding Mill Run,
Wheat Bran with Ground Screenings not exceeding Mill Run.

Cleveland Provision Co., The, Cleveland, Ohio.
Premium Digester Tankage,
Premium Meat Scrap.

Clinton Corn Syrup Refining Co., Clinton, Iowa.

Clinton Corn Gluten Feed,
Clinton Corn Oil Cake Meal.

Clover Leaf Milling Co., Buffalo, N. Y.

Advanced Registry Dairy Feed,
Black Beauty Horse Feed,
Cloverdale Horse Feed,
Cloverdale Milk Grains,
Clover Leaf Mills Baby Chick Feed,
Clover Leaf Mills Calf Meal,
Clover Leaf Mills Cottonseed Feed,
Clover Leaf Mills Dairy Feed,
Clover Leaf Mills Egg Mash,
Clover Leaf Mills Hog Meal,
Clover Leaf Mills Horse Feed,
Clover Leaf Mills Scratch Grains,
Clover Leaf Mills Sweet Feed,
Master Grain Ration,
Old Colony Feed,
Peerless Horse Feed,
Peerless Milk Ration,
Pen-Mar Dairy Ration,
Provo Horse Feed,
Sweet Clover Mills Ready Ration,

Cole Milling Co., H. C., Chester, Ill.

Wheat Bran with Ground Screenings not exceeding Mill Run,
Wheat Middlings with Ground Screenings not exceeding Mill Run.

Coleman & Co., C. S., Philadelphia, Pa.

Corn Bran,
Cotton Seed Meal,
Dried Beet Pulp,
Dried Brewers Grains,
Ground Barley Feed,
Hominy Feed,
Linseed Oil Meal,
Rye Middlings,
Wheat Bran,
Wheat Low Grade,
Wheat Middlings,
Wheat Mixed Feed.

Collegeville Mills, Collegeville, Pa.
Morcx Chicken Mash.

Colonial Food Digester Co., Montrose, Pa.

Colonial Food Digester,
Colonial Poultry Regulator.

Colton Brothers Co., The, Bellefontaine, Ohio.

King Chop Feed,
Mixed Wheat Feed with Ground Screenings not exceeding Mill Run,
Pure Wheat Bran,
Wheat Middlings with Ground Screenings not exceeding Mill Run.

Commander Mill Co., Minneapolis, Minn.

Commander Wheat Bran with Ground Screenings not exceeding Mill Run,
Commander Wheat Flour Midds. with Ground Screenings not exceeding Mill Run,
Commander Wheat Standard Midds. with Ground Screenings not exceeding Mill Run,
Durum Bran with Ground Screenings not exceeding Mill Run,
Durum Middlings with Ground Screenings not exceeding Mill Run,

Commercial Milling Co., The, Detroit, Mich.

Henkel's Coarse Feed Corn Meal,
Henkel's Fine White Feed,
Standard Wheat Middlings.

Conkey Co., The G. E., Cleveland, Ohio.

Conkeys Buttermilk Meat & Grain Growing Mash,
Conkeys Buttermilk Meat & Grain Laying Mash,
Conkeys Buttermilk Starting Feed,
Conkeys Chick Grains,
Conkeys Growing Grains,
Conkeys Scratch Grains.

Conklin & Son, Inc., E. W., Binghampton, N. Y.

Arrow Chick Food,
Arrow Egg Food,
Atlas Scratch Grains.

Consolidated Dressed Beef Co., Philadelphia, Pa.

Consolidated Beef and Bone Scrap,
Consolidated Digester Tankage,
Stock Yard Hog Food.

Consolidated Flour Mills Co., Hutchison, Kansas.

Wheat Bran with Screenings,
Wheat Mixed Feed with Screenings,
Wheat Shorts with Screenings,
White Wheat Shorts.

Consolidated Products Co., Lincoln, Neb.

Semi-Solid Buttermilk.

Coombs Milling Co., Wm. A., Coldwater, Mich.

Rob Roy Rye Feed,
Rob Roy Winter Wheat Bran with Ground Screenings not exceeding Mill Run,
Rob Roy Winter Wheat Middlings with Ground Screenings not exceeding Mill Run.

Coppes Brothers & Zook, Nappanee, Ind.

Wheat Bran,
Wheat Middlings and Ground Wheat Screenings not exceeding Mill Run.

Corn Products Refining Company, New York, N. Y.

Argo Corn Oil Cake Meal,
Buffalo Corn Gluten Feed,
Diamond Corn Gluten Meal,
Diamond Hog Meal,
Globe Corn Gluten Feed,
Queen Corn Gluten Feed.

Corno Mills Company, The, St. Louis, Mo.

Corno Chick Feed,
Corno Dairy Feed,
Corno Growing Mash,
Corno Hen Feed,
Corno Hog Feed,
Corno Horse & Mule Feed,
Corno Laying Mash,
Corno Premium Chop,

Corno Stock Feed,
 Corno Sweet Dairy Feed,
 Corno Sweet Feed,
 Nutro Hen Feed,
 Nutro Hen Feed with Grit,
 Nutro Hog Feed,
 Nutro Stock Feed,
 Nutro Sweet Dairy Feed,
 Nutro Sweet Feed,
 Pawnee Dairy Feed,
 Pawnee Hen Feed,
 Pawnee Hog Feed,
 Pawnee Stock Feed,
 Pawnee Sweet Dairy Feed,
 Pawnee Sweet Feed.

Crouch Brothers Co., Erie, Pa.

Corn & Oats Chop,
 Red Dog Feed,
 Wheat Bran with Ground Screenings not exceeding Mill Run,
 Wheat Middlings with Ground Screenings not exceeding Mill Run,
 Wheat Mixed Feed with Ground Screenings not exceeding Mill Run.

Curtiss Grain Corporation, Buffalo, N. Y.

Ceramel Horse Feed,
 Chanticleer Scratch Feed,
 Co-Boss Sugared Dairy Feed,
 Curtiss Calf Meal,
 Curtiss Dairy Ration,
 Curtiss Day-Lay Egg Mash,
 Curtiss Developing Feed,
 Curtiss Little Chick Feed,
 Curtiss Mixed Feed,
 Curtiss Perfect Ration,
 Curtiss Pigeon Feed,
 Curtiss Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,
 Faramel Alpha Feed,
 Faramel Dairy Feed,
 Faramel Hog Meal,
 Faramel Horse Feed,
 Rex Scratch Feed,
 Spur Scratch Feed.

Darling & Company, Chicago, Ill.

Darling's Blood Meal,
 Darling's Digester Tankage,
 Darling's Feeding Tankage,
 Darling's Granulated Bone,
 Darling's Meat Crisps,
 Darling's Meat Scraps,

Davis, S. P., Little Rock, Ark.

Beauty Brand Cottonseed Feed,
 Davis Brand Cottonseed Feed,
 Good Luck Brand Cottonseed Meal and Cracked Screened Cake,
 Steer Brand Cottonseed Meal and Cracked Screened Cake,
 Veribest Brand Cottonseed Meal and Cracked Screened Cake.

Dawson & Son, F. W., Williamsport, Pa.

Dawsons Scratch Feed.

Dayton Grain & Hay Co., Dayton, Ohio.

Diamond D Scratch Feed,
 Greater Dayton Horse Feed with Alfalfa,
 Mak-Em-Grow Chick Feed,
 Mak-Em-Lay Scratch Feed.

Dayton Milling Co., Towanda, Pa.

Dayton's Dairy Ration B,
 Dayton's Ideal Scratch Grains,
 Dayton's Laying Mash,
 Mixed Chop.

Deal Brothers Mill Co., The, Inc., Cumberland, Md.

Jersey Stock Feed.

Dean & Lec, Horseheads, N. Y.
Pioneer Dairy Ration.

Delaware Mills, Deposit, N. Y.
Corn Feed Meal,
Delaware Chick Feed,
Delaware Laying Mash,
Delaware Scratch Grains,
Delaware Stock Feed,
Indian Scratch Feed.

Denver Alfalfa Milling & Products Co., The. Lamar, Colo.
Alfalfa Meal.

Deutsch & Sickert Co., Milwaukee, Wis.
Barley Feed,
Flour Middlings,
Hominy Feed,
Pure Wheat Bran,
Pure Wheat Middlings,
Red Dog Flour,
Rye Middlings,
Wheat Bran with Ground Screenings,
Wheat Middlings with Ground Screenings.

Dewey Brothers Co., The, Blanchester, Ohio.
Dewey's Buckeye Dairy Feed,
Dewey's Ready Ration.

De Wine Milling Co., Yellow Springs, Ohio.
De Wine's Egg Mash,
Gilt Edge Chick Feed,
Gilt Edge Scratch Feed,
Kream Dairy Feed,
Mil-Ko Dairy Feed,
O. K. Chick Feed,
O. K. Scratch Feed,
Pig & Hog Relish,
Sun-Ray Scratch Feed,
Victory Pig Feed.

Dickinson Co., The Albert, Chicago, Ill.
Alfalfa Meal,
Colonial Chick Feed, no Grit,
Colonial Chick Feed, with Grit,
Colonial Developing Feed, no Grit,
Colonial Developing Feed, with Grit,
Colonial Scratch Feed, no Grit,
Colonial Scratch Feed, with Grit,
Crescent Chick Feed, no Grit,
Crescent Chick Feed, with Grit,
Crescent Scratch Feed, no Grit,
Crescent Scratch Feed, with Grit,
Dickinson Dairy Feed,
Globe Chick Feed, no Grit,
Globe Chick Feed, with Grit,
Globe Chick Mash, with Dried Buttermilk,
Globe Developing Feed, no Grit,
Globe Developing Feed, with Grit,
Globe Egg Mash,
Globe Pigeon Feed, no Grit,
Globe Scratch Feed, with Grit,
Globe Scratch Feed, no Grit,
Hobby Horse Feed,
Honeysuckle Feed,
King Pigeon Feed, no Grit,
King Pigeon Feed, with Grit,
Oasis Horse Feed,
Pine Tree Chick Feed, no Grit,
Pine Tree Chick Feed, with Grit,
Pine Tree Scratch Feed, no Grit,
Pine Tree Scratch Feed, with Grit,
Queen Poultry Mash,
Rival Dairy Feed,
Rival Hog Feed.

Rival Horse Feed,
 Rival Scratch Feed, no Grit,
 Rival Scratch Feed, with Grit,
 Stag Stock Feed,
 White Cross Chick Feed, no Grit,
 White Cross Chick Feed, with Grit,
 White Cross Horse Feed,
 White Cross Scratch Feed, no Grit,
 White Cross Scratch Feed, with Grit,
 White Cross Stock Feed.

Diehl, Omwake & Diehl, Chambersburg, Pa.
 D. O. D. Dairy Feed,
 D. O. D. 30% Dairy Feed,
 D. O. D. Make-Em-Lay Dry Mash Feed,
 D. O. D. Scratch Feed,
 D. O. D. Stock Feed.

Dietrich & Co., D. W., Milton, Pa.
 Cow Feed,
 Hen Food.

Dixie Mills Co., East St. Louis, Ill.
 Anchor Dairy Feed,
 Anchor Molasses Horse & Mule Feed,
 Dixie Cow Feed,
 Dixie Dairy Feed,
 Dixie Hen Feed,
 Dixie Horse & Mule Feed.

Dold Packing Co., Jacob, Buffalo, N. Y.
 Dold Quality Digester Tankage,
 Dold Quality Meat and Bone Meal,
 Dold Quality Meat and Bone Scrap,
 Dold Quality Poultry Bone,
 Dold Quality Soluble Blood.

Dousman Milling Co., The John P., Depere, Wis.
 Dousman's Fine Wheat Middlings,
 Dousman's Low Grade Flour,
 Dousman's Wheat Bran.

DuBois Brewing Co., DuBois, Pa.
 Dried Brewers' Grains.

DuBois Milling Co., DuBois, Pa.
 DuBois Milling Co's. Home Ground Chop.

Dull's Flour & Feed Store, Easton, Pa.
 Extra Straight Mash,
 Plain Mash.

Duluth Superior Milling Co., Duluth, Minn.
 Boston Mixed Feed with Ground Screenings not exceeding Mill Run,
 Duluth Imperial Bran with Ground Screenings not exceeding Mill Run,
 Red Dog Flour,
 S. Standard Middlings with Ground Screenings not exceeding Mill Run.

Duluth Universal Milling Co., Duluth, Minn.
 Wheat Bran with Ground Screenings not exceeding Mill Run,
 Wheat Flour Middlings with Ground Screenings not exceeding Mill Run.

Dunlop Mills, The, Richmond, Va.
 Dunlop Arrow Ship Stuff, and Ground Recleaned Screenings not exceeding Mill Run,
 Dunlop Arrow Wheat Bran,
 Moore's Mixed Feed.

Dunwoody Co., Etl., Philadelphia, Pa.
 Alfalfa Meal,
 Brewer's Dried Grains,
 Fish Scrap,
 Hog Feeding Tankage,
 Hominy Feed,
 Poultry Meat,
 Special Chick Feed,
 Special Developing Chick Feed,

Special Pigeon Feed,
 Special Pigeon Feed without Corn,
 Special Poultry Mash Feed,
 Special Poultry Scratch Feed.

Dyer, F. H., Lock Haven, Pa.
 Dyer's Dry Mash.

Eagle Roller Mills Co., New Ulm, Minn.
 Flour Middlings with Ground Screenings not exceeding Mill Run,
 Hominy Feed,
 No. 2 Feed (Corn and Oats),
 Red Dog Superb Flour,
 Rye Middlings with Ground Screenings not exceeding Mill Run,
 Wheat Bran with Ground Screenings not exceeding Mill Run,
 Standard Middlings with Ground Screenings not exceeding Mill Run.

Early & Daniel Co., The, Cincinnati, Ohio.
 Ce-Re-A-Lia Egg Mash,
 Ce-Re-A-Lia Sweets,
 Eaden Chick,
 Eaden Scratch,
 Raugert Balanced Ration,
 Tuxedo Chick,
 Tuxedo Chop,
 Tuxedo Hog Ration,
 Tuxedo Scratch.

Eastern Cotton Oil Company, Norfolk, Va.
 Perfection Cotton Seed Meal,
 Supreme Cotton Seed Feed.

Eastern Feed Company, New York, N. Y.
 Grade A Dairy Feed.

Eastman, W. H., Milwaukee, Wis.
 Ground Linseed Cake.

Easton Flour & Feed Co., Easton, Pa.
 Easton's Best Mixed Grain,
 Easton's Best Poultry Mash.

Eby, Elmer, Lititz, Pa.
 10 Per Cent. Poultry Mash.

Eby & Son, Jonas F., Lancaster, Pa.
 Excelsior Pigeon Feed, no Grit.
 Laymor Scratch Feed, no Grit.
 Laymor Scratch Feed, 5 per cent. Grit,
 "Liberty" Cottonseed Feed,
 "Liberty" Cottonseed Meal,
 Perfection Pullet Feed, no Grit,
 Superior Chick Feed, no Grit,
 Superior Chick Feed, 5 per cent. Grit,
 Triumph Mash Feed.

Eckhart Milling Co., B. A., Chicago, Ill.
 Flour Middlings,
 Rye Middlings & Screenings,
 Standard Middlings & Screenings,
 Wheat Bran & Screenings,
 Wheat Mixed Feed.

Edgar-Morgan Co., Memphis, Tenn.
 Happy Chick Feed,
 Happy Chop Feed,
 Happy Cow Feed (Dry).
 Happy Cow Feed (Sweet),
 Happy Hen Feed,
 Happy Hen Mash,
 Happy Hog Feed,
 Happy Horse and Mule Feed,
 Happy Stock Feed,
 Little Ned Sweet Feed,
 Old Beck Chop Feed. *
 Old Beck Sweet Feed.

Empire Cotton Oil Co., Atlanta, Ga.
 Gilt Edge Brand Cottonseed Feed,
 Gilt Edge Brand Cottonseed Meal.

Empire Grain & Elevator Co., Binghamton, N. Y.
 Egee Mash,
 Egee Scratch Feed,
 Egee Stock Feed,
 Neverfail Dairy Feed,
 Neverfail Dairy Feed with Alfalfa & Molasses,
 Pearl Hominy.

Empire Milling Co., Minneapolis, Minn.
 Wheat Bran with Ground Screenings not exceeding Mill Run,
 Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,
 Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.

Empire Mills, Olean, N. Y.
 Corn Feed Meal,
 Empire Feed,
 Empire Mixed Chicken Feed,
 Hominy Feed,
 Ideal Hominy Feed,
 Standard Wheat Middlings,
 Wheat Bran.

Empire State Alfalfa Mills, Inc., Munnsville, Pa.
 Alfalfa Meal,
 Empire Champion,
 Empire Chief,
 Empire Leader,
 Empire Porker,
 Empire Speeder.

Emporium Milling Co., Emporium, Pa.
 Emporium Feed,
 Emporium Scratch Grains,
 Liberty Standard Laying Mash,
 No. 1 Provender Pure Corn and Oats Chop.

Enid Milling Company, Enid, Oklahoma.
 Wheat Bran and Screenings,
 Wheat Gray Shorts,
 Wheat Mixed Feed and Screenings.

Enterprise Tallow & Grease Company, The, Philadelphia, Pa.
 Digester Tankage for Hog Feeding,
 Beef Scrap.

Eshelman, John W., Lancaster, Pa.
 Eshelman's Calf Meal,
 Eshelman's Chick Feed, no Grit,
 Eshelman's Chick Feed, 5 per cent. Grit,
 Eshelman's Corn Bran,
 Eshelman's Corn & Oats Chop,
 Eshelman's 16½ Dairy Feed,
 Eshelman's 20 Dairy Feed,
 Eshelman's 24 Dairy Feed,
 Eshelman's Developing Feed, no Grit,
 Eshelman's Digester Tankage,
 Eshelman's Fish Scrap,
 Eshelman's Garden Spot Horse Feed,
 Eshelman's Growing Mash,
 Eshelman's Hog Meal,
 Eshelman's 30 Horse Feed,
 Eshelman's 40 Horse Feed,
 Eshelman's 60 Horse Feed,
 Eshelman's 85 Horse Feed,
 Eshelman's Laying Mash,
 Eshelman's Meat & Bone Scrap,
 Eshelman's Pigeon Feed, no Grit,
 Eshelman's Poultry Bone,
 Eshelman's Scratch Feed no Grit,
 Eshelman's Scratch Feed with 5 per cent. Grit,
 Eshelman's Special Pigeon Feed no Grit,
 Eshelman's Steer Feed,
 Eshelman's Stock Feed,

Imperial Seratch Feed no Grit,
 Imperial Seratch Feed, 5 per cent Grit.
 Old Process Oil Meal,
 Pennsy Seratch Feed, no Grit,
 Pennsy Seratch Feed, 5% Grit.

Estus, E. W.,-Montrose, Pa.
 B. & F. Calf Meal,
 B. & F. Hog Ration.

Efters, Clayton, Oak Hall Station, Pa.
 Choice Chop,
 Wheat Bran,
 Wheat Middlings.

Evans Milling Co., Indianapolis, Ind.
 Evans' Hominy Feed.

Everett, Aughenbaugh & Co., Waseca, Minn.
 E-A Co. Mixed Feed,
 E-A Co. Wheat Bran,
 E-A Co. Wheat Middlings.

Ewart & Lakr, Groveland, N. Y.
 Wheat Bran,
 Wheat Middlings,

Excello Feed Milling Co., St. Joseph, Mo.
 Alfalfa Meal,
 Excello Chick Feed,
 Excello Dairy Feed,
 Excello Heavy Oat Feed,
 Excello Hen Feed,
 Excello Hog Feed (Concentrated),
 Excello Hog Feed (Special),
 Excello Horse Feed,
 Excello Molasses Feed.
 Excello Poultry Mash,
 Ideal Horse Feed,
 Reliable Chick Feed,
 Reliable Dairy Feed,
 Reliable Hen Feed,
 Reliable Hog Feed,
 Reliable Horse & Mule Feed,
 Reliable Molasses Feed,
 Sho-Me Horse & Mule Feed.

Exeelsior Flour Mills, Kansas City, Mo.
 Red Dog,
 Standard Wheat Shorts or Winter Wheat Gray Middlings,
 Wheat Bran with Mill Run Screenings not to exceed 8%,
 Wheat Mixed Feed with Mill Run Screenings not to exceed 8%.

Farm Equipment Company., Baltimore, Md.
 "Seeuro" Digester Tankage,
 "Seeuro" Fish Meal,
 "Seeuro" Meat Meal,
 "Seeuro" Meat Scrap.

Farmers' Co-operative Union, Wellsboro, Pa.
 Equity Mixture.

Farmers' Feed Co., New York, N. Y.
 Bull Brand Dried Brewers' Grains.

Farmers Milling Co., Burgettstown, Pa.
 Ear Corn and Oat Feed.

Federal Stock Food Company, Mifflinburg, Pa.
 Federal Stock Conditioner.

Fetzer, Geo. H., Philadelphia, Pa.
 Empire Horse Feed,
 Fetzer's Special,
 Sun Horse Feed,
 Sweet Meal,
 Victory Horse Feed.

Finn Company, The, Syracuse, N. Y.

Chicken Feed prepared from Ground Meat and Bone Scraps.

Fleischmann Co., The, New York, N. Y.

Fleischmann's Dried Grains,
Fleischmann's Dried Grains (Baltimore, Md.),
Fleischmann's Dried Grains, (Chicago, Ill.),
Fleischmann's Dried Malt Grains, (Cincinnati, Ohio),
Fleischmann's Dried Malt Grains, (Washington, D. C.).

Flicksville Milling Co., Flicksville, Pa.

Horse Feed,
Mixed Feed,
Scratch Feed.

Flinn, Harry, T., New York, N. Y.

Farmer Jones Cattle Fattener,
Farmer Jones Horse Feed,
Success Horse Feed,
Your Choice Horse Feed.

Flory Milling Co., Bangor, Pa.

"Bucko" (Buckwheat Feed),
Extra Rye, Corn and Oats Feed,
Globe Cow Feed,
Globe Hog Feed,
Golden Egg Chick Feed,
Golden Egg Dry Mash,
Golden Egg Scratch Feed,
Liberty Standard Chick Feed,
Liberty Standard Growing Mash,
Liberty Standard Laying Mash,
Liberty Standard Mixed Grains,
"Lion" Cow Feed,
Mixed Wheat and Rye Middlings,
Pure Rye Middlings,
Pure Wheat Bran,
Pure Wheat Middlings,
Special Mixed Horse Feed,
"Superior" Cow Feed.

Fluke, E. W., Williamsburg, Pa.

Corn, Oats and Rye.

Franko Grain Co., The, Milwaukee, Wis.

Barley Feed,
Hominy Feed,
Pure Wheat Bran,
Pure Wheat Middlings,
Reground Oat Hulls,
Rye Middlings,
Rye Red Dog,
Wheat Bran with Ground Screenings not exceeding Mill Run,
Wheat Flour Middlings,
Wheat Middlings with Ground Screenings not exceeding Mill Run,
Wheat Red Dog Flour.

Fritch, D. D. Milling Co., Macungie, Pa.

Corn Chop,
Corn and Cob Chop,
Mixed Chop,
Rye Middlings,
Wheat Bran,
Wheat Germ,
Wheat and Rye Middlings.

Fuhrer-Ford Milling Co., Mount Vernon, Ind.

Soft Winter Wheat Bran.
Soft Winter Wheat Shorts.

Gamble, G. M., Bellefonte, Pa.

Excelsior Chick Food,
Excelsior Hen Food,
Mixed Chop,
Pure Corn Chop,
Pure Wheat Bran,
Pure Wheat Middlings.

Gambrill Manufacturing Co., C. A., Baltimore, Md.

Patapasco Bran with Ground Recleaned Wheat Screenings not exceeding Mill Run,
 Patapasco Brown Middlings with Ground Recleaned Wheat Screenings not exceeding Mill Run,
 Patapasco Premier Middlings,
 Patapasco White Middlings with Recleaned Wheat Screenings not exceeding Mill Run.

Gandy & Co., O., South Whitley, Ind.

Chop Feed,
 Standard A Chick Feed,
 Standard A Chick & Laying Mash,
 Standard A Poultry Feed,
 Standard Hog Feed.

Garber, E. W., Mt. Joy, Pa.

Garbers Poultry Powder,
 Garbers Stock Tonic.

Garland Milling Co., Greensburg, Ind.

Garland Mixed Feed.

Girton & Ammerman, Berwick, Pa.

Dry Mash,
 Hen Food.

Globe Elevator Co., Buffalo, N. Y.

Anchor Dairy Feed,
 Anchor Horse Feed,
 Anchor Scratch Feed,
 Blue Ribbon Developing Feed,
 Blue Ribbon Growing Mash,
 Blue Ribbon Horse Feed,
 Blue Ribbon Laying Mash,
 Blue Ribbon Little Chick Feed,
 Blue Ribbon Pigeon Feed,
 Blue Ribbon Scratch Feed,
 Buffalo Stock Feed,
 Globe Creamery Feed,
 No. 1 Chop Feed,
 Star Scratchling Grains.

Globe Grain & Milling Co., Los Angeles, Cal.

Alfalfa Meal,
 Alfalfa Molasses.

Globe Milling Co., Watertown, Wis.

Globe Rye Middlings,
 Rye Red Dog Flour.

Godfrey Sloane Co., Inc., Olean, N. Y.

Cornell Dairy Feed
 Pomona Dairy Feed,

Godshall & Co., Inc., A. C., Lansdale, Pa.

Chick Feed,
 Corn Meal,
 Dry Mash,
 Ground Ear Corn,
 Mixed Chop,
 Rye Middlings,
 Scratch Feed,
 Wheat Bran,
 Wheat Middlings.

Golden & Company, Washington, D. C.

Star-Calf-A.

Golden Grain Milling Co., East St. Louis, Ill.

Big Ben Horse and Mule Feed,
 Butter Fat Dairy Feed,
 Century Horse and Mule Feed,
 Cornette Horse and Mule Feed,
 Echo Horse and Mule Feed,
 Economy Scratch Feed,
 Energy Scratch Feed,
 Fat Back Hog Feed,
 Golden Grain Alfalfa Meal,

Golden Grain Alfalfa Molasses Feed,
 Golden Grain Horse and Mule Feed,
 Golden Grain Laying Mash,
 Guaran-Teed Dairy Ration,
 Ideal Horse and Mule Feed,
 Keystone Horse and Mule Feed,
 Liberty Horse and Mule Feed,
 Mascot Horse and Mule Feed,
 Over the Top Horse and Mule Feed,
 Percheron Horse and Mule Feed,
 Protection Horse and Mule Feed,
 Pnritau Horse and Mule Feed,
 Southern Horse and Mule Feed,
 Val-U Horse and Mule Feed.

Goodling, D. W., Richfield, Pa.
 Keystone Chick Starter.

Goodrich Co., William O., Milwaukee, Wis.
 Argentine Brand Old Process Ground Linseed Cake,
 Old Process Ground Linseed Cake.

Goshen Milling Co., The, Goshen, Ind.
 Wheat Bran with Ground Wheat Screenings not exceeding Mill Run,
 Wheat Middlings with Ground Wheat Screenings not exceeding Mill Run.

Grain Belt Mills Co., South St. Joseph, Mo.
 Aristocrat Horse and Mule Feed,
 Broneo Horse and Mule Feed,
 Extra Horse and Mule Feed,
 Gee Bee Chick Feed,
 Gee Bee Dairy Feed,
 Gee Bee Hen Feed,
 Gee Bee Poultry Mash,
 Hunter Horse and Mule Feed,
 Liberty Scratch Feed,
 Pennant Horse and Mule Feed,
 Pointer Horse and Mule Feed,
 Record Horse and Mule Feed,
 Red D Dairy Feed,
 Tiger Alfalfa Molasses Feed.

Grandin Milling Co., D. H., Jamestown, N. Y.
 Grandin's Baby Chick Feed,
 Grandin's Growing Feed,
 Grandin's Hog Feed,
 Grandin's Intermediate Chick Feed,
 Grandin's Milk Maker,
 Grandin's Poultry Dry Mash,
 Grandin's Scratch Feed,
 Grandin's Stock Feed,
 Grandin's 12 Twin Six 12 Dairy Feed.

Great Northern Flour Mills Co., Minneapolis, Minn.
 Wheat Bran,
 Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,
 Wheat Red Dog Flour,
 Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.

Greencastle Elevator Co., Greencastle, Pa.
 C. V. All Grain Hen Feed,
 L. R. Welch's Dry Mash for Laying Hens.

Greene Chick Feed Co., Marblehead, Mass.
 Greene's Poultry Scraps.

Grelch-Hovey Co., St. Paul, Minn.
 Condensed (Semi-Solid) Buttermilk.

Guarantee Food Co. of Penna., Lewisburg, Pa.
 Keystone Poultry Conditioner,
 Keystone Stock Conditioner.

Guardian Food Co., Tiffin, Ohio.
 Guardian Stock Conditioner.

Gwinn Milling Co., The, Columbus, Ohio.

Corn and Oats Chop,

Cracked Corn,

Dairy Feed,

Feed Meal,

Wheat Bran with Screenings not exceeding Mill Run,

Wheat Middlings with Screenings not exceeding Mill Run.

Hafleigh Rendering Co., Philadelphia, Pa.

Hafleigh's 40% Digester Tankage,

Hafleigh's 60% Digester Tankage,

Hafleigh's 40% Meat & Bone Scraps,

Hafleigh's 50% Meat and Bone Scraps.

Hailey Co., John H., Houston, Texas.

Texas Brand Cotton Seed Cake-Meal.

Hales & Hunter Co., Chicago, Ill.

College Crate Fattener,

College Dairy Feed,

College Hog Feed,

College Horse Feed,

College Laying Mash,

College Scratch Feed no Grit.

College Scratch Feed with Grit.

College Stock Feed,

Excelsior Horse Feed,

Gold Flake Dairy Feed.

Greeno Horse Feed,

Harvest Horse Feed,

Kingfalfa Horse Feed,

Morning Glory Scratch, no Grit.

Morning Glory Scratch, with Grit.

O. P. Linseed Oil Meal,

Pioneer Hog Feed,

Pioneer Stock Feed,

Pound Squah Pigeon Feed, no Corn: no Grit.

Pound Squah Pigeon Feed, no Grit,

Pound Squab Pigeon Feed, with Grit.

Red Comb Chick Mash,

Red Comb Coarse Chick Feed, no Grit,

Red Comb Coarse Chick Feed, with Grit,

Red Comb Crate Fattener,

Red Comb Egg Mash,

Red Comb Fine Chick Feed, no Grit.

Red Comb Fine Chick Feed, with Grit.

Red Comb Scratch, no Grit.

Red Comb Scratch, with Grit.

Red Dog Flour,

Red Horn Calf Meal.

Red Horn Dairy Feed.

Hall Company, W. D., Atlanta, Ga.

Choice Cotton Seed Meal.

Good Cotton Seed Feed.

Prime Cotton Seed Meal.

Hamlin, Dwight E., Pittsburgh, Pa.

Ace High Dairy Feed,

Ace High Horse Feed,

Alfalfa & Molasses,

Brewers Grain and Molasses,

Hamlin's Quality Feed,

Hamlin's Quality Poultry Dry Mash,

H. & S. Dairy Feed,

H. & S. Horse, Mule & Dairy Feed.

Handwork Brothers, Coatesville, Pa.

Handwork Brothers Dry Mash.

Hardesty Milling Co., The, Dover, Ohio.

Pure Winter Wheat Bran.

Pure Winter Wheat Middlings.

Harding, George L., Binghamton, N. Y.

Harding's "Uncle Sam" Dried Milk Albumen.

- Hawk, J. H., Allentown, Pa.
Mixed Chop,
Wheat Bran,
Wheat Middlings.
- Hayden Company, A., Elizabeth, Pa.
Pure Corn & Oats Chop,
Pure Coarse Corn Meal,
Pure Ground Oats,
Pure Ground Rye Feed,
Pure Winter Wheat Bran,
Pure Winter Wheat Middlings.
- Hayes Grain & Commission Co., Little Rock, Ark.
Arkansaw Brand Cottonseed Feed,
Hayes Brand Cottonseed Meal,
Nutrine Brand Cottonseed Meal,
Supreme Brand Cottonseed Meal.
- Haywood Alfalfa Warehouse Co., The, Kausas City, Mo.
Alfalfa Meal.
- Heacock, Harry G., Orangeville, Pa.
Mix Chop,
Pure Wheat Bran,
Pure Wheat Middlings.
- Hecker-Jones-Jewell Milling Co., Buffalo, N. Y.
Choice Wheat Bran with Trace of Screenings,
Fancy White Middlings,
Red Dog Flour,
Standard Middlings with Mill Run Screenings,
Wheat Mixed with Mill Run Screenings.
- Heinz Company, H. J., Pittsburgh, Pa.
Dried Brewers' Grains & Distillery Waste.
- Hewitt & Son, C. G., Montgomery, Ala.
Cotton Seed Feed,
Cotton Seed Meal,
Special Cotton Seed Meal,
Velvet Bean Meal.
- Hirst & Begley Linseed Works, Chicago, Ill.
Hirst & Begley's Brand Linseed Meal.
- H-O Company, The, Buffalo, N. Y.
The H-O Company's Algrane Horse Feed,
The H-O Company's Algrane Milk Feed,
The H-O Company's Algrane Scratching Feed,
The H-O Company's Chick Feed,
The H-O Company's Horse Feed with Molasses,
The H-O Company's Laying Mash,
The H-O Company's Liberty Standard Chick Feed,
The H-O Company's Liberty Standard Growing Mash,
The H-O Company's Liberty Standard Laying Mash,
The H-O Company's Liberty Standard Medium Cracked Grains,
The H-O Company's Liberty Standard Mixed Grains,
The H-O Company's Milk Feed with Molasses,
The H-O Company's New England Stock Feed,
The H-O Company's Steam Cooked Chick Feed,
The H-O Company's Read the Tag Dairy Feed.
- Hottelet Co., The, Milwaukee, Wis.
Dried Beet Pulp,
- Hubbard Milling Co., Mankato, Minn.
Faney Pure Wheat Bran,
Flour Middlings with Ground Screenings not exceeding Mill Run,
Standard Wheat Fine Middlings with Ground Screenings not exceeding Mill Run,
Sterling Red Dog,
White Flour Middlings.
- Hubbinger Brothers Co., J. C., Keokuk, Iowa.
KKK Corn Gluten Feed,
Hub. Corn Germ Meal.

Hummer, W. F., Milford, N. J.

Corn Ear Cob Meal,
Hnstlers' Scratch Feed,
Mix Feed,
Our Special Corn & Oats Feed,
Record Breaker Pure Dry Mash Feed,
Rye Bran & Middlings.

Humphreys-Godwin Co., Memphis, Tenn.

Bull Brand Cottonseed Meal,
Danish Brand Cottonseed Feed,
Dixie Brand Cottonseed Meal,
Forfat Brand Cottonseed Meal,
77 Cottonseed Feed.

Hunter, H., Ashland, Pa.

O. K. Chick Food,
O. K. Hen Food.

Huron Milling Co., The, Harbor Beach, Mich.
Jenk's Corn Gluten Feed.

Igleheart Brothers, Evansville, Ind.

Mixed Feed,
Pure Wheat Bran,
Pure Wheat Middlings or Shorts with Ground Screenings not exceeding Mill
Run.

Imperial Flour Mills Co., The, Wichita, Kansas.

Gray Shorts,
Mill Run Wheat Feed,
Wheat Bran with Screenings and Scourings not over 5%.

Imperial Grain & Milling Co., The, Toledo, Ohio.

C. O. & B. Feed,
Imperial Feed Meal,
Premium Chop.

Independent Brewing Company of Pittsburgh, Pittsburgh, Pa.

Dried Brewers' Grains Chartiers Valley Brewery Branch,
Dried Brewers' Grains Duquesne Brewery Branch,
Dried Brewers' Grains First National Brewery Branch,
Dried Brewers' Grains Homestead Brewery Branch,
Dried Brewers' Grains Loyalhanna Brewery Branch,
Dried Brewers' Grains New Kensington Brewery Branch.

Independent Milling Co., Kingman, Kansas.

Standard Wheat Shorts.

Industrial Cotton Oil Properties, New York, N. Y.

Longhorn Brand Prime Cottonseed Feed,
Nonpareil Mixed Feed.

Industrial Grain Products Corporation, Waterloo, N. Y.
Columbia Corn Distillers Grains.

International Gline Co., Boston, Mass.
Red Star Brand Fish Scrap.

International Stock Food Co., Minneapolis, Minn.
International Medicinal Poultry Food Tonic,
International Medicinal Stock Food Tonic.

International Sugar Feed Company, Minneapolis, Minn.

International Calf Meal,
International Cattle Feed,
International Chick Feed,
International Climax Horse Feed,
International Dan Patch Horse Feed,
International Diamond Cattle Feed,
International Diamond Dairy Feed,
International Hog Feed,
International Hog Meal,
International Pig Meal,
International Planters Cattle Feed,
International Poultry Feed,
International Ready Ration Dairy Feed,
International Sheep Feed.

- Interstate Feed Association, Toledo, Ohio.
 Big Repeater Ready Ration Dairy Feed.
 Mormilk Ready Ration Dairy Feed.
- Interstate Flour & Feed Co., St. Louis, Mo.
 Wheat Bran with Screenings not exceeding Mill Run.
 Wheat Middlings with Screenings not exceeding Mill Run.
- Iron City Brewery, Pittsburgh, Pa.
 Dried Brewers' Grains.
- Ismert-Hincke Milling Co., The, Kansas City, Mo.
 A B C Middlings with Mill Run Ground Screenings not to exceed 8%,
 I-H Bran with Mill Run Ground Screenings not to exceed 8%,
 I-H Pure Fancy Wheat Middlings.
- Jamestown Electric Mills, Jamestown, N. Y.
 Jem Chick Feed,
 Jem Cream Dairy Ration,
 Jem Milk Maker,
 Jem Poultry Mash,
 Jem Rob Roy Dairy Feed,
 Jem Scratch Feed,
 Jem Stock Feed.
- Jennison Company, W. J., Minneapolis, Minn.
 Wheat Bran with Ground Screenings not exceeding Mill Run,
 Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,
 Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.
- Johnson & Co., Franklin, Pa.
 Molasses Horse Feed.
- Johnson & Co., W. B., Memphis, Tenn.
 Imperial Brand Cottonseed Meal,
 Perfection Brand Cottonseed Feed,
 Supreme Brand Cottonseed Meal,
 Winner Brand Cottonseed Feed.
- Johnstown Dry Grains Co., Johnstown, Pa.
 Dried Brewers' Grains.
- Kansas Flour Mills Company, The, Kansas City, Mo.
 Gray Middlings & Screenings,
 Standard Shorts and Screenings,
 Wheat Bran and Screenings,
 Wheat Mixed Feed and Screenings,
 White Middlings and Screenings,
 White Shorts and Screenings.
- Kansas Milling Co., The, Wichita, Kansas.
 Wheat Bran with Mill Run Screenings,
 Wheat Gray Shorts,
 Wheat Mixed Feed with Mill Run Screenings.
- Kasco Mills, Waverly, N. Y.
 Beetsall Milk Grains,
 Chick-Chick Scratch Grains,
 Full Nest Mash,
 Kasco Corn Feed Meal,
 Kasco Dairy Ration,
 Kasco Mixed Feed,
 Kasco Scratch Grain,
 L. I. Scratch Grain,
 Moremilk Dairy Ration.
- Kaw Milling Co., The, Topeka, Kansas.
 Kaw Kaw Brown Shorts and Screenings,
 Kaw Kaw Middlings and Screenings,
 Kaw Kaw Wheat Bran and Scourings.
- K. B. R. Milling Company, The, Marquette, Kansas.
 Brown Shorts,
 Wheat Bran & Wheat Screenings.
- Keever Starch Company, The, Columbus, Ohio.
 Keever Gluten Feed.

- Kehlor Flour Mills Company, St. Louis, Mo.
 Kehlor's Mill Feed,
 Illmo Middlings,
 Palace Bran,
 Rex Middlings.
- Kelley Mill Company, Kansas City, Mo.
 Bran and Screenings,
 Kelley's Korker Feed,
 Mixed Feed,
 Red Dog,
 Wheat Shorts.
- Kellogg Toasted Corn Flake Co., Battle Creek, Michigan.
 B. C. White Hominy Feed,
 Broken Wheat Biscuit,
 Cooked Bran Feed,
 Dried Corn Flake Feed,
 Malt Feed.
- Kellogg & Sons, Inc., Spencer, Buffalo, N. Y.
 Kellogg's Pure Old Process Cocoanut Meal,
 Kellogg's Pure Old Process Linseed Oil Meal.
- Kelloggs & Miller, Amsterdam, N. Y.
 Pure Old Process Oil Meal.
- Kelly Milling Co., The William, Hutchinson, Kansas.
 Wheat Bran & Screenings,
 Wheat Mixed Feed & Screenings,
 Wheat Shorts.
- Kemper Grain Co., The, Kansas City, Mo.
 Wheat Bran & Screenings,
 Wheat Middlings & Screenings,
 Wheat Mixed Feed & Screenings.
- Kern, John B. A., Sons, Inc., Milwaukee, Wis.
 Kern's Rye Middlings with Ground Screenings not exceeding Mill Run,
 Kern's Wheat Bran with Ground Screenings not exceeding Mill Run,
 Kern's Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.
- Keystone Commercial Co., McKeesport, Pa.
 John-Hen Poultry Feed (no Grit).
- Keystone Food Digester Co., Quarryville, Pa.
 Keystone Food Digester.
- Keystone Hide Company, Lancaster, Pa.
 Conestoga Feeding Tankage,
 Keystone Feeding Tankage.
- Kimball Milling Co., The, Kansas City, Mo.
 Corn Bran,
 Feed Meal,
 Wheat Bran and Screenings.
- Kist, W. J., Northampton, Pa.
 Corn Chop,
 Mixed Feed,
 Rye Middlings.
- Klander Est., J. C., Philadelphia, Pa.
 Brewers' Dried Grains.
- Klepser Brothers, Martinsburg, Pa.
 Corn Chop,
 Cow Chop,
 Horse Chop.
- Koller Fertilizer Co., Seitzland, Pa.
 Kollers Digester Hog Tankage.
- Kornfalfa Feed Milling Co., Kansas City, Mo.
 Kay Horse and Mule Feed,
 Kluck Chick Feed,
 Kluck Scratch Feed,

Kluk Sweetened Poultry Mash,
 Kontract Horse & Mule Feed,
 Kornfalfa Heavy Grain Feed,
 Kornfalfa Hog Feed,
 Kornfalfa Kandy Feed,
 Kow Kow Dairy Feed,
 Kowno Horse & Mule Feed,
 Kutter Horse & Mule Feed.

Kratz, H. B., Selwensville, Pa.
 Ideal Chick Feed,
 Ideal Hen Feed,
 Ideal Laying Mash No. 2.

Krause Milling Co., Charles, A., Milwaukee, Wis.
 Badger Alfalfa Meal,
 Badger Blue Top Chick Feed no Grit,
 Badger Blue Top Chick Feed with Grit,
 Badger Blue Top Horse Feed,
 Badger Buttermilk Mash with Fish Meal,
 Badger Cream City Dairy Feed,
 Badger Cream City Horse Feed,
 Badger Cream City Seratch Feed no Grit,
 Badger Cream City Seratch Feed with Grit,
 Badger Dairy Feed,
 Badger DeLuxe Seratch Feed no Grit,
 Badger DeLuxe Seratch Feed with Grit,
 Badger Grain-Mor Feed,
 Badger Hog Feed,
 Badger Hominy Feed,
 Badger Homo-Hog Feed,
 Badger Laying Mash,
 Badger Maizo Red Dog Flour,
 Badger Milk-Mor Feed,
 Badger Monopoly Feed,
 Badger Mor-Pul Horse Feed,
 Badger Praneer Horse Feed,
 Badger Stock Feed,
 Badger Sweet Cud,
 Blue Top Seratch Feed no Grit,
 Blue Top Seratch Feed with Grit,
 Corn Feed Meal,
 Filly Horse Feed,
 Krause Calf Meal,
 Krause Chick Feed no Grit,
 Krause Chick Feed with Grit,
 Krause Dairy Feed,
 Krause Developer Feed no Grit,
 Krause Developer Feed with Grit,
 Krause Horse Feed,
 Krause Seratch Feed no Grit,
 Krause Seratch Feed with Grit,
 Krause Stock Feed,
 Pep Horse Feed.

Kulp & Co., J. S., Telford, Pa.
 Chopped Oats,
 Cob Meal,
 Corn Meal,
 Cracked Corn,
 Oil Cake Meal.

Kunkels Flouring Mills, Wellsville, Pa.
 Pure Wheat Bran,
 Pure Wheat Shipstuff.

Ladish Milling Co., Milwaukee, Wis.
 Alfa Bran Feed,
 Corn Feed Meal,
 Corn & Oats Chop,
 Green Tag Mixed Feed,
 Hi-Spirits Horse Feed,
 Manhattan Horse Feed,
 Marvel Horse Feed,
 National Dairy Feed,
 National Maker Seratch Feed with Grit,

National Scratch Feed,
 National Stock Feed,
 O-Keh Horse Feed,
 Record Maker Chick Feed,
 Record Maker Chick with Grit,
 Record Maker Dairy Feed,
 Record Maker Horse Feed,
 Record Maker Scratch Feed,
 Record Maker Scratch with Grit,
 Red Tag Fancy Middlings,
 Red Tag Feed,
 See-Lect Horse Feed,
 Stra-Lad Horse Feed,
 True Value Chick Feed,
 True Value Chick with Grit,
 True Value Dairy Feed,
 True Value Developer,
 True Value Growing Mash,
 True Value Hog Feed,
 True Value Hominy Feed,
 True Value Horse Feed,
 True Value Poultry Mash,
 True Value Pure Rye Middlings,
 True Value Red Dog,
 True Value Scratch Feed,
 True Value Scratch with Grit,
 True Value Special Stock Feed,
 True Value Stock Feed,
 Wisconsin Mixed Feed.

Lagrange Mills, The, Red Wing, Minn.
 Fine Wheat Middlings M with Ground Screenings,
 Pure Wheat Bran.
 Pure Wheat Red Dog Extra.

Lake County Manufacturing Co., Tiptonville, Tenn.
 Good Cotton Seed Meal.

Lake Erie Milling Co., The, Toledo, Ohio.
 Economy Stock Feed,
 Mollett's C. O. and B. Chop,
 Mollett's Flaked Oats & Corn Chop,
 Mollett's K. C. Chop,
 Mollett's Park City Stock Feed,
 Mollett's Pure Corn and Oats Chop,
 Mollett's Pure Corn and Oats Chop Fine,
 Mollett's Scratch Feed.

Lake of the Woods Milling Co., Ltd., Montreal, Canada.
 Wheat Bran,
 Wheat Middlings.

Lake Shore Elevator Company, The, Cleveland, Ohio.
 Equality Scratch Food,
 Golden Calf Meal,
 Gro-Chick Developing Food,
 Harteno Horse Food,
 Hart's Horse Food,
 Hart's Special Dairy Feed,
 La-Egg Scratch Food,
 Lake Shore Dairy Feed,
 Puritan Stock Feed,
 Quality Dry Laying Mash,
 Special Scratch Food,
 Start-Rite Chick Food,
 Unus Horse and Mule Feed,
 Victory Grains Dairy Food.

Lancaster Food Digester Co., Lancaster, Pa.
 Pemberton's Stock Food Digester.

Lancaster Mill & Elevator Co., Lancaster, Pa.
 Challenge Horse Feed,
 Conestoga Dairy Feed,
 Conestoga Horse Feed,
 Conestoga Scratch Feed no Grit,
 Conestoga Scratch Feed 5% Grit,

- Lancaster Chick Feed no Grit,
 Lancaster Chick Feed 5% Grit,
 Lancaster Dairy Feed,
 Lancaster Hog Feed,
 Lancaster Horse Feed,
 Lancaster Laying Mash,
 Lancaster Molasses Steer Feed,
 Lancaster Scratch Feed no Grit,
 Lancaster Scratch Feed 5% Grit,
 Lancaster Stock Feed,
 Liberty Horse Feed,
 O'Brien's Special Horse Feed,
 Red Rose Dairy Feed,
 Red Rose Horse Feed,
 Shute's Special Horse Feed,
 Tally-Ho Horse Feed,
 Walton's Heavy Grain Horse Feed,
 Walton's Special Horse Feed,
 Winner Horse Feed.
- Landes, J. C., Collegeville, Pa.
 Corn Bran,
 Corn Gluten Feed,
 Wheat Bran,
 Wheat Middlings.
- Lanc, A. F., New York, N. Y.
 Beet Pulp.
- Lanier Brothers, Nashville, Tenn.
 Canary Brand Cottonseed Meal,
 Durham Brand Cottonseed Feed Meal,
 Holstein Brand Cottonseed Meal and Ground Cottonseed Hulls Mixed.
- Larabee Flour Mills Corp., The, Kansas City, Mo.
 Red Dog,
 Standard Wheat Shorts,
 Wheat Bran with Mill Run Screenings not to exceed 8%,
 Wheat Mixed feed with Mill Run Screenings not to exceed 8%.
- Larowe Milling Co., The, Detroit, Mich.
 Dried Beet Pulp,
 Dried Beet Pulp & Molasses,
 Dried Molasses-Beet Pulp,
 Larro-Feed,
 Larowe's Big Six Complete Dairy Feed,
 Larowe Brand Choice Cottonseed Meal,
 Larowe Hog Feed,
- Laudenslager, M. M., Macungie, Pa.
 Mix Chop.
- Lavery's Sons, J. H., Franklin, Pa.
 Franklin Horse Feed,
 L. M. Scratch Feed.
- Lawrenceburg Roller Mills Co., Lawrenceburg, Ind.
 Golden Bull Bran,
 Golden Bull Middlings,
 Golden Bull Mixed Feed,
 Snowflake Bran,
 Snowflake Middlings,
 Snowflake Mixed Feed,
 Snowflake Rye Middlings.
- Lee Co., George H., Omaha, Neb.
 Lee's Best Conditioner,
 Lee's Egg Maker.
- Lee Flour Mills Co., The H. D., Salina, Kans.
 Millrun and Screenings,
 Wheat Bran and Screenings,
 Wheat Gray Shorts.
- Levan & Sons, Columbia, Pa.
 L. & S. Chick Feed,
 L. & S. Hen Feed.

Lewis & Bros. Company, John T., Philadelphia, Pa.
Linseed Oil Cake.

Lidgerwood Co-Operative Milling Co., Lidgerwood, N. D.
Pure Wheat Bran,
Pure Wheat Middlings.

Listman Mills, La Crosse, Wis.
Elmco Bran,
Elmco Mixed Feed,
Elmco Reddog,
Elmco Std. Middlings,
Elmco White Middlings.

Lloyd, C. E., Washington Court House, Ohio.
Elko Chick Feed,
Elko Scratch Feed.

London Mill Co., London, Ohio.
Pure Bran,
Pure Wheat Middlings,
Wheat Bran-Corn Bran,
Wheat Screenings,

Lord, Fred E., Espy, Pa.
Digester Tankage.

Loudonville Mill & Grain Co., The, Loudonville, Ohio.
Barley Feed,
LeGrande Bran,
LeGrande Middlings.

Loughry Brothers Milling & Grain Co., Monticello, Ind.
Loughry's Corn and Oats Chop,
Loughry's Feed,
Loughry's Mixed Feed with Screenings not exceeding Mill Run,
Loughry's Wheat Middlings and Screenings.

Louisiana State Rice Milling Co., Inc., New Orleans, La.
Lastarmco Pearling Corn Meal,
Rice Polish.

Louisville Milling Co., Louisville, Ky.
Dandy Hominy Feed,
Dandy Red Dog Middlings,
Wheat Bran,
Wheat Mixed Feed,
Wheat Shorts.

Lovitt & Company, L. B., Memphis, Tenn.
Lovitt Brand Cottonseed Meal,
Memphis Brand Cottonseed Meal,
Neal's Choice Cottonseed Meal,
Thirty-Six Brand Cottonseed Feed.

Luckenbach, D. & A., Bethlehem, Pa.
Laying Hen Scratch Feed,
Mixed Horse Chop.

Luxemburg Milling Co., Luxemburg, Wis.
Rye Feed.

Lyle & Lyle, Huntsville, Ala.
Alabama Cottonseed Meal,
Economy Cottonseed Feed,
L. & L. Cottonseed Feed,
Pioneer Velvet Bean Feed,
Royal Jersey Cottonseed Meal.

McKeesport Tin Plate Co., McKeesport, Pa.
Branner Refuse.

McKenzie, Lewis & Co., Macon, Ga.
Atlas Brand Cottonseed Feed,
Universal Brand Cottonseed Feed.

McMillen Co., The, Ft. Wayne, Ind.

Macko Dairy Feed,
Macko Hog Feed,
Wayne Alfalfa-Molasses Feed,
Wayne Cattle & Sheep Fattener,
Wayne Chick Feed,
Wayne Dairy Feed,
Wayne Egg Mash,
Wayne Hog Feed with Molasses,
Wayne Horse Feed,
Wayne Scratch Feed, no Grit,
Wayne Scratch Feed, with Grit,
Wayne Special Horse Feed,
Wayne Supreme Horse Feed.

McMurtrie & Co., Geo. H., Belvidere, N. J.

Horse Feed,
Scratch Grains,
Wheat Bran,
Wheat Middlings.

MacNeal Co., Walter F., Baltimore; Md.

Alfalfa Meal,
Choice Cottonseed Meal,
Dried Brewers' Grains,
Gluten Feed,
Hominy Feed,
Old Process Linseed Meal,
Prime Cottonseed Meal.

Maney Milling Co., Omaha, Neb.

Pure Wheat Shorts,
Wheat Bran with Ground Screenings not exceeding Mill Run.

Mann & Allshouse, Easton, Pa.

Chick Food,
Ground Mixed Feed,
Mixed Grains: Poultry Feed,
Poultry Mash,
Rye Bran,
Rye Middlings,
Wheat Bran,
Wheat Middlings.

Mann Brothers Co., The, Buffalo, N. Y.

Argentine Brand Pure Old Process Linseed Oil Meal,
Pure Old Process Linseed Oil Meal.

Mansfield Milling Co., Mansfield, Ohio.

Money Maker Wheat Middlings with Ground Screenings not exceeding Mill Run,
Overcoat Pure Wheat Bran,
Producers Wheat Mixed Feed with Ground Screenings not exceeding Mill Run,
Triangle Feed,
Triangle Red Dog.

Marion National Mill Co., The, Marion, Ohio.

Middlings,
Wheat Bran and Screenings.

Maritime Trading Corporation, Buffalo, N. Y.

Bull Brand Dairy Ration,
Bull Brand Heavy Wheat Mixed Feed,
Bull Brand Stock Feed,
Hi-Test Dairy Feed,
Red-E-Ever Scratch Feed,
Red-E-Lay Laying Mash,
Red-E-Mixt Scratch Feed,
Red-E-Ration Scratch Feed.

Marshall Co., E. B., Milwaukee, Wis.

Wilburs Poultry Tonic,
Wilburs Stock Tonic.

Marshall Milling Co., Marshall, Minn.

Wheat Bran with Ground Screenings not exceeding Mill Run,
Wheat Shorts with Ground Screenings not exceeding Mill Run.

Martin, C. C., New Holland, Pa.
Martins Chick Mash.

Martin & Co., Altoona, Pa.
Corn Chop,
Corn and Oats Chop,
Martin's Liberty Standard Chick Feed,
Martin's Liberty Standard Growing Feed,
Martin's Liberty Standard Growing Mash,
Martin's Liberty Standard Laying Mash,
Martin's Liberty Standard Scratch Feed,
Horse Chop,
Wheat Bran,
Wheat Middlings.

Martin Company, D. B., Philadelphia, Pa.
Martin's Chicken Meat,
Martin's Digester Tankage.

Masontown Brewing Co., Masontown, Pa.
Brewers' Dried Grains.

Mather Brothers, Greenville, Pa.
Bran,
Buckwheat Middlings,
Corn & Oats Chop,
Corn Meal,
Cracked Corn,
Wheat Middlings.

Matthews & Sons, Inc., C. P., Scranton, Pa.
Best Mixed Feed for Cows,
Best Mixed Feed for Horses,
Best Mixed Grain for Chickens,
Chicken Feed,
Clark Brothers High Grade Poultry Food,
Dairy Ration,
Matthews Best Pig Feed,
Mixed Feed,
Poultry Mash,
Stock Feed.

Mauer Manufacturing Company, Newark, N. J.
Mauer's Kwality Tankage,
Mauer's Kwality Meat Scrap,
Mauer's Standard Meat Scrap.

Mauser & Cressman Catasauqua, Pa.
Chick Feed,
Mixed Chop,
Poultry Mash,
Rye Bran and Middlings,
Scratch Feed,
Wheat Bran,
Wheat Middlings.

Mauser Mill Co., Treichlers, Pa.
Chick Feed,
Corn and Oats Chop,
Hazleton Dry Mash,
Hazleton Mix Chop,
Hen Feed,
Mauser's Calf Meal,
Mauser's Hog Fattening Meal,
Mauser's Hog Growing Ration,
Mauser's Stock Feed,
Pure Wheat Bran,
Queen City Hen Feed,
Red Star Mix Chop,
Wheat and Rye Red Middlings,
Wheat and Rye White Middlings.

Mayflower Mills, Fort Wayne, Ind.

Mayflower Bran with Ground Screenings not exceeding Mill Run,
Mayflower Middlings with Ground Screenings not exceeding Mill Run,
Mayflower Red Dog with Ground Screenings not exceeding Mill Run,
Mayflower Rye Middlings with Ground Screenings not exceeding Mill Run.

Mays Seed Co., Womelsdorf, Pa.
May's Digester Tankage.

Melrose Milling Co., Melrose, Minn.
Fancy Bran,
Middlings.

Mennel Milling Co., The, Toledo, Ohio.
Mennel's Cracked Corn,
Mennel's Fancy Bran,
Mennel's Mainspring Feed,
Mennel's Middlings with Ground Screenings not exceeding Mill Run,
Mennel's Pure Barley Meal,
Mennel's Pure Corn and Oats Chop,
Mennel's Pure Unbolted Corn Meal,
Mennel's Winter Mixed Feed.

Meyer Malt & Grain Corporation, George, J., Buffalo, N. Y.
Malt Sprouts.

Midland Flour Milling Co., The, Kansas City, Mo.
Flour Middlings with Ground Screenings not exceeding Mill Run,
Standard Wheat Middlings with Ground Screenings not exceeding Mill Run,
Wheat Bran and Ground Screenings not exceeding Mill Run,
Wheat Brown Shorts and Ground Screenings not exceeding Mill Run,
Wheat Gray Shorts and Ground Screenings not exceeding Mill Run,
Wheat Mixed Feed and Ground Screenings not exceeding Mill Run.

Midland Linseed Products Co., Minneapolis, Minn.
Argentine Brand Old Process Ground Linseed Cake,
Midland Brand Pure Old Process Ground Linseed Cake.

Milkoline Manufacturing Co., Kansas City, Mo.
Milkoline.

Millard & Sons, Kingston, Pa.
Blue Ribbon Chick Feed,
Blue Ribbon Hen Food,
Blue Ribbon Mash,
Mixed Chop,
Red Feather Hen Food.

Millbourne Mills, Philadelphia, Pa.
Millbourne Fancy Mixed Feed,
Millbourne Flour Middlings,
Millbourne Pure Rye Midds,
Millbourne Scratch Feed,
Millbourne Standard Midds,
Pure Wheat Bran.

Miller, Van Roy, Kansas City, Kans.
Schilling Scratch Feed.

Miller-McConnell Grain Co., Kansas City, Kans.
Alfa-Sweet Alfalfa Molasses,
Big Boy Horse Feed,
Granger Horse Feed,
Man O'War Horse Feed,
Marathon Horse Feed,
Rich Grain Chick Feed,
Rich Grain Egg Mash,
Rich Grain Horse Feed,
Rich Grain Scratch Feed,
Surenuf Horse Feed.

Miller & Sons, L. F., Philadelphia, Pa.
Epoch Alfalfa Horse Feed.

Mills of Albert Lea, The, Albert Lea, Minn.

Albert Lea Wheat Bran,

Red Dog,

Rye Feed,

Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,

Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.

Milwaukee Grain & Feed Company, Milwaukee, Wis.

Crown Brewers Dried Grains.

Miner-Hillard Milling Co., Wilkes-Barre, Pa.

Buckwheat Middlings,

Colonial Middlings,

Little Chick Feed,

Mihimico Dairy Feed,

Mihimico Stock Feed,

Mixed Chicken Feed,

Mixed Chop,

No. 1 Chops,

No. 1 Scratch Feed,

Poultry Mash,

Rye Middlings,

Special Scratch Feed.

Steam Cooked Flakeline,

Steam Cooked Hominy Feed,

Superior Growing Feed,

Wheat Bran,

Wheat Middlings,

Wheat & Rye Middlings,

Minnesota Linseed Oil Co., Minneapolis, Minn.

Ground Linseed Cake (Old Process),

Mitchell Milling Company, Clearfield, Pa.

Pure Corn Chop,

Pure Corn & Oats Chop,

Pure Wheat Middlings.

Modern Grain Co., Minneapolis, Minn.

Ajax Whole Ground Feed Barley,

Bear Ground Barley Feed,

Star Ground Grain Screenings.

Montgomery & Co., C. L., Memphis, Tenn.

Choice Brand Cotton Seed Meal,

Eagle Brand Cotton Seed Meal,

Globe Brand Cotton Seed Feed,

Star Brand Cottonseed Feed.

Moon Co., Inc., Geo. O., Binghampton, N. Y.

Corn Feed Meal,

Fresh Ground Middlings,

Fresh Ground Mixed Feed,

Moon's Chick Feed,

Moon's Scratch Feed,

Old Times Horse Feed,

Wheat Bran with Ground Screenings not exceeding Mill Run.

Morris & Company, Chicago, Ill.

Big Brand Meat Scraps,

Big Brand Poultry Bone,

Big Fifty Meat Meal Digester Tankage,

Big Forty Meat Meal Digester Tankage,

Big Sixty Meat Meal Digester Tankage.

Morrow Milling Company, New York, N. Y.

Reground Oat-Feed.

Moseley & Motely Milling Co., Rochester, N. Y.

Big B Mixed Wheat Feed with Ground Screenings not exceeding Mill Run,

Big B Wheat Bran,

Wheat Middlings with Ground Screenings not exceeding Mill Run.

Moses Brothers, Eaton, N. Y.

Corn Feed Meal,

Grain Mixture,

Madison Poultry Mash,

Madison Stock Feed,

3 M. M. M. Dairy Ration.

Moundridge Milling Co., Moundridge, Kans.
Standard Wheat Shorts and Screenings,
Wheat Bran and Screenings.

Mountain City Mills, Frederick, Md.
Wheat Middlings with Mill Run of Screenings.

Mount Holly Feed & Grain Co., The, Mount Holly Springs, Pa.
Holly-O Alfalfa Molasses Dairy Feed,
Holly-O Pure Cane Molasses Horse & Mule Feed.

Moyer & Son, Souderton, Pa.
Mixed Chop For Stock,
Prime Cotton Seed Meal,
Small Chick Feed,
Specialty Hen Feed,
Specialty Poultry Mash,
Specialty Scratch Feed.

Mutual Stock Food Co., Mifflinburg, Pa.
Mutual Stock Conditioner.

Mystic Mills, Sioux City, Iowa.
Black Hawk Bran,
Black Hawk Flour Middlings,
Black Hawk Germ Middlings,
Black Hawk Low Grade,
Black Hawk Special Middlings,
Black Hawk Standard Middlings,
Hominy Feed (White & Yellow),
Jersey Cream Dairy Feed,
Sioux Chick Feed,
Sioux Poultry Feed,
Sioux Stock Feed.

Mystic Milling & Feed Co., Rochester, N. Y.
Mystic Feed for Horses, Cattle & Swine,
Mystic Growing Mash,
Mystic Laying Mash,
Yellow Corn Feed Meal.

National Feed Company, St. Louis, Mo.
Corn Bran,
Hominy Feed,
Oat Feed,
Pure Alfalfa Meal,
Pure Wheat Bran,
Rye Middlings with Ground Screenings not exceeding Mill Run,
Wheat Bran with Screenings not exceeding Mill Run,
Wheat Middlings with Ground Screenings not exceeding Mill Run,
Wheat Mixed Feed with Screenings not exceeding Mill Run,
Wheat Shorts with Ground Screenings not exceeding Mill Run,
Whole Ground Barley Feed with Ground Screenings not exceeding Mill Run.

National Feed Mills Co., The, Yellow Springs, Ohio.
Golden Chick Feed,
Golden Hen Feed,
Golden Mash Feed,
Natco Dairy Feed,
National Hog Feed,
National Horse Feed,
Silver Chick Feed with Grit,
Silver Chop Feed,
Silver Hen Feed,
Silver Hen Feed with Grit.

National Milling Company, Minneapolis, Minn.
Pure Wheat Bob Reddog,
Pure Wheat Bran,
Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,
Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.

Nester & Co., I. H., Philadelphia, Pa.
Condensed Buttermilk (Semi-Solid).

New Era Mills, Mansfield, Pa.

New Era Calf Meal,
New Era Dry Mash,
Mixed Hen Feed.

New Orleans Export Co., Ltd., The, Galveston, Texas.

Galvez Choisee (Cotton Seed Meal),
Jersey Delight.

New Prague Flouring Mill Company, New Prague, Minn.

Seal of Minnesota Wheat Bran with Ground Screenings not exceeding Mill Run,
Seal of Minnesota Wheat Flour Middlings,
Seal of Minnesota Wheat Germ Middlings,
Seal of Minnesota Wheat Low Grade Flour,
Seal of Minnesota Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.

Newsome Feed & Grain Co., The, Pittsburgh, Pa.

Palmo Midds,
Palmo Mixed Feed.

New Ulm Roller Mill Co., New Ulm, Minn.

Ground Corn and Oats,
Hominv Feed,
Rye Middlings,
Rye Red Dog,
Wheat Bran,
Wheat Flour Middlings,
Wheat Middlings.

New York Alfalfa Mills, Caledonia, N. Y.

Genesee Valley Alfalfa Meal.

Nickel Plate Elevator Co., The, Cleveland, Ohio.

Alfalfa Molasses Horse Feed,
Corn Feed Meal,
Economy Chick Feed,
Economy Chop Feed,
Economy Dairy Feed,
Economy Digester Tankage,
Economy Hog Feed,
Economy Mash Feed,
Economy Meat Scraps,
Economy Molasses Horse Feed,
Economy Rabbit Feed,
Economy Scratch Feed,
Economy Scratch with Grit,
Imperial Dairy Feed,
Imperial Growing Feed,
Imperial Molasses Horse Feed,
Imperial Pigeon Feed,
Imperial Scratch Feed,
Imperial Chick Feed.

Nickel Plate Flour Mills, Erie, Pa.

Little Chick Feed,
Nickel Plate Scratch Feed,
Poultry Mash.

Noblesville Milling Co., Noblesville, Ind.

N. M. Co.'s Middlings,
N. M. Co.'s Mixed Feed,
N. M. Co.'s Wheat Bran & Screenings.

Norfolk Feed Milling Company, Norfolk, Va.

Westover H. & M. Molasses Feed.

North Baltimore Grain Co., The, North Baltimore, Ohio.

Bran,
Middlings.

Northern Illinois Cereal Co., Lockport, Ill.

Oat Middlings,
Reground Oat Feed.

Northwestern Consolidated Milling Co., The, Minneapolis, Minn.

Planet Feed,
Pure Wheat Bran,
Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,
Wheat Mixed Feed composed of Wheat Bran, Flour Middlings and Ground
Screening not exceeding Mill Run,
Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.
XXX Comet Red Dog Flour.

Northwestern Elevator & Mill Co., The, Toledo, Ohio.

Soft Winter Wheat Mixed Feed,
Taylors Wheat Bran,
Taylors Wheat Middlings with Ground Screenings not exceeding Mill Run.

Northwestern Milling Co., Minneapolis, Minn.

Faney Country Wheat Middlings with Ground Screenings not exceeding
Mill Run,
Faney Red Dog Flour,
Northwestern Wheat Mixed Feed With Ground Screenings not exceeding Mill
Run,
Pure Wheat Bran,
White Flour Middlings with Ground Screenings not exceeding Mill Run.

Norton & Co., Willis, Topeka, Kans.

Wheat Bran and Screenings,
Wheat Shorts and Screenings.

Nothorn, W. C., Memphis, Tenn.

Bee Brand Cottonseed Meal,
Butterfly Brand Cottonseed Meal,
Queen Bee Brand Cottonseed Meal,
Standard Brand Cottonseed Feed.

Nowak Milling Corporation, Buffalo, N. Y.

Domino Alfalfa Meal,
Domino Butterine Dairy Feed,
Domino Calf Meal,
Domino Chick Feed,
Domino Corn Meal,
Domino Creamery Feed,
Domino Cream-O-Lene Dairy Ration,
Domino Developing Feed,
Domino Growing Mash,
Domino Hog Ration,
Domino Horse Feed with Alfalfa,
Domino Laying Mash,
Domino Pigeon Feed,
Domino Scratch Feed,
Domino Stock Feed,
Domino Sweet Hog Feed,
Domino 24½ Dry Dairy Ration,
Domino Vim-O-Lene Horse Feed,
Export Scratch Feed,
Fidelity Scratch Feed,
Fidelity Stock Feed,
Marathon Scratch Feed,
Union Dairy Feed.

Ohio Milling & Feed Co., Youngstown, Ohio.
Chick-O Scratch Feed, no Grit.

O. K. Company, The, New York, N. Y.
Puritan Chick Food.

Omaha Alfalfa Milling Co., Omaha, Nebr.

Al-Corn-O Horse & Mule Feed,
Alfaleo Horse & Mule Feed,
Alfalfa Meal,
Alfalmo Cattle Fattener,
Booster Horse & Mule Feed,
Cream Alfalfa Dairy No. 1,
Cream Alfalfa Dairy No. 2,
Cream Alfalfa Dairy No. 3,
Evergreen Horse & Mule Feed,
Ginger Horse & Mule Feed,
Grainfalmo Horse & Mule Feed,

Green Meadow Dairy Feed,
 Mustang Horse & Mule Feed,
 Oatfalso Horse & Mule Feed,
 O. K. Horse & Mule Feed,
 Omaha Special Horse & Mule Feed,
 Peerless Horse & Mule Feed,
 Perfection Horse & Mule Feed,
 Snappy Horse & Mule Feed,
 Topper Feed.

Omaha Flour Mills Co., Omaha, Nebr.
 Ofmeo Wheat Middlings and Ground Screenings not exceeding Mill Run.
 Omar Pure Wheat Bran,
 Omar Pure Wheat White Shorts or Red Dog,
 Omar Wheat Flour Middlings with Ground Screenings not exceeding 8 per cent.,
 Omar Wheat Mixed Feed and Ground Wheat Screenings,
 Omar Wheat Shorts and Ground Screenings not exceeding 8 per cent.

Osakis Milling Co., Osakis, Minn.
 Faney Bran,
 Middlings,
 Mixed Feed,
 White Middlings.

Osceola Mill & Elevator Co., Minneapolis, Minn.
 Oseeola Whole Ground Feed Barley.

Owensboro Products Co., Inc., Owensboro, Ky.
 Apeo All Grain,
 Apeo Alfalfa Molasses Feed,
 Apeo Chick,
 Apeo Crate Fattener,
 Apeo Dairy 16½%,
 Apeo Egg Mash,
 Apeo Hen Feed,
 Apeo Little Chick No Grit,
 Apeo Little Chick With Grit,
 Apeo No. 1 Heavy Grain Mixture,
 Apeo No. 2 Medium,
 Apeo Scratch Feed,
 Corn Feed Meal,
 Ground Barley,
 Ground Oats,
 Special Apeo Horse Feed 90%.

Park and Pollard Co. of Illinois, The, Chicago, Ill.
 Baby Buster Chick Feed,
 Go Tu It Hog Ration,
 Intermediate Chick Feed,
 Park & Pollard Stock Feed,
 Red Ribbon Chick Feed,
 Stevens 44 Dairy Ration.

Park & Pollard Co., The, Boston, Mass.
 Baby Buster Chick Feed,
 Go Tu It Hog Ration,
 Growing Feed,
 Intermediate Chick Feed,
 Lay or Bust Dry Mash,
 Overall Corn ½ and ½ Oats,
 Over The Top Scratch Feed,
 Park & Pollard Alfalfa,
 Pigeon Feed,
 Pontiae Scratch Feed,
 Red Ribbon Chick Feed,
 Red Ribbon Scratch Feed,
 Stevens Milkade Calf Meal.

Patent Cereal Co., The, Geneva, N. Y.
 Hominy Feed,

Patterson & Co., G. E., Memphis, Tenn.
 Quarto Dairy Feed.

Penn Grains & Feed Co., Philadelphia, Pa.
Malt Sprouts,
Peerless Brewers' Dried Grains.

Pennsylvania Central Brewing Co., The, Scranton, Pa.
Penna. Central Brewing Co. Dried Brewers' Grains.

Perin Brothers, Cincinnati, Ohio.
Choice Hominy Feed.

Perot's Sons' Malting Company, The, Francis, Philadelphia, Pa.
Malt Sprouts.

Peter's Mill Co., M. C., Omaha, Nebr.
Peter's Alfalfa Queen Meal (Finely Ground),
Peter's Alfalfa Queen Dairy Feed,
Peter's Alfalfa-Fat Alfalfa and Molasses Feed,
Peter's Arab Horse Feed,
Peter's Bergen Horse Feed,
Peter's Bergen Scratch Poultry Feed,
Peter's Henypeny Scratch Feed,
Peter's High Score Alfalfa and Molasses Feed,
Peter's Hog Profit Swine Feed,
Peter's June Pasture Alfalfa and Molasses Feed,
Peter's King Corn Horse and Mule Feed,
Peter's Lucerne Choice Alfalfa Meal,
Peter's Rabbit Mule Feed,
Peter's Red Feather Poultry Chick Feed,
Peter's Red Feather Poultry Mash Feed with Buttermilk,
Peter's Red Feather Poultry Scratch Feed,
Peter's Re-Peter Dairy Feed,
Peter's Re-Peter Horse Feed,
Peter's Re-Peter Poultry Scratch Feed,
Peter's Sell-a-Gen Horse and Mule Feed,
Peter's Submilk Calf Feed.

Pfeffer Milling Co., Lebanon, Ill.
Pfeffer Milling Co. Corn Bran,
Pfeffer Milling Co. Hominy Feed,
Pfeffer Milling Co. Wheat Bran,
Pfeffer Milling Co. Wheat Middlings with Ground Screenings not exceeding Mill Run.

Phelps & Sibley Company, Cuba, N. Y.
Fancy Wheat Bran with Ground Screenings not exceeding Mill Run,
Fancy Wheat Middlings with Ground Screenings not exceeding Mill Run,
Favorite Intermediate Chick Feed,
Favorite Mixed Grains,
Favorite Poultry Mash,
Pasco Dairy Ration,
Scratch Grains,
Yellow Corn Feed Meal "A",
Yellow P. & S. Feed.

Philadelphia Seed Co., Inc., Philadelphia, Pa.
N. A. Competition Fish Mash Feed,
N. A. Competition Scratch Feed,
Purgain Chick Developing Mash,
Purgain Chick Developer No. 1,
Purgain Chick Developer No. 2,
Purgain Chick Starter No. 1,
Purgain Chick Starter No. 2,
Purgain Laying Mash Feed, No. 1,
Purgain Scratch Pigeon Feed,
Purgain Scratch Poultry Feed No. 1,
Purgain Scratch Poultry Feed No. 2,
Special Fanciers Pigeon Feed No. 1,
Special Fanciers Pigeon Feed No. 2,
Special Fanciers Pigeon Feed No. 3,
Special Fanciers Pigeon Feed No. 4,

Phoenix Cotton Oil Company, Dyersburg, Tenn.
Cotton Seed Meal.

Piel Brothers Starch Co., Indianapolis, Ind.
Pbro Corn Gluten Feed.

Pillsbury Flour Mills Company, Minneapolis, Minn.

Pillsbury's Dairy Ration,
 Pillsbury's Duram Wheat Bran with Ground Screenings not exceeding Mill Run,
 Pillsbury's Durum Wheat Standard "B" Middlings with Ground Screenings not exceeding Mill Run,
 Pillsbury's Fancy Wheat Mixed Feed with Ground Screenings not exceeding Mill Run,
 Pillsbury's Rye Middlings with Ground Screenings not exceeding Mill Run,
 Pillsbury's Ryex,
 Pillsbury's Standard "B" Middlings with Ground Screenings not exceeding Mill Run,
 Pillsbury's Wheat "A" Middlings with Ground Screenings not exceeding Mill Run,
 Pillsbury's Wheat Bran with Ground Screenings not exceeding Mill Run,
 Pillsbury's XX Daisy.

Piqua Milling Co., The, Piqua, Ohio.
 Wheat Bran,
 Wheat Middlings.

Pittsburgh Provision & Packing Co., Pittsburgh, Pa.
 Beef Meal Meat & Bone,
 Beef Scrap Meat & Bone,
 Digestible Tankage,
 Dried Blood,
 Poultry Bone.

Plant Milling Co., George P., St. Louis, Mo.
 Circle P Wheat Bran with Screenings not exceeding Mill Run,
 Circle P Wheat Middlings with Screenings not exceeding Mill Run,
 Circle P Wheat Mixed Feed with Screenings not exceeding Mill Run.

Plymouth Milling Co., LeMars, Iowa.
 Plymouth Hominy Feed,
 Plymouth Wheat Middlings,
 Plymouth Wheat Shorts.

Postum Cereal Co., Battle Creek, Mich.
 Burt's Hominy Feed,
 CXX Feed,
 Flaked Corn Feed.

Pottsville Feed Co., Pottsville, Pa.
 Dried Brewers' Grains.

Prairie State Milling Co., Chicago, Ill.
 American Molasses Horse Feed,
 Emerald Horse Feed,
 Garland Scratch Feed No Grit,
 Greenfield Horse Feed,
 Prairie State Corn Feed,
 Prairie State Coarse Chick Feed, no Grit,
 Prairie State Coarse Chick Feed, with Grit,
 Prairie State Growing Feed no Grit,
 Prairie State Growing Feed with Grit,
 Prairie State Pigeon Feed no Grit,
 Prairie State Poultry Mash,
 Prairie State Scratch Feed no Grit,
 Prairie State Scratch Feed with Grit,
 Red Crown Scratch Feed no Grit,
 Red Crown Scratch Feed with Grit.

Pratt Food Co., Philadelphia, Pa.
 Pratt's Baby Chick Food,
 Pratt's Buttermilk Growing Mash,
 Pratt's Calf Meal,
 Pratt's Milk Egg Mash.

Preston & Jaquish, Troy, Pa.
 Corn & Oat Chop,
 Dry Mash,
 Scratch Feed.

Protector Sales Co., The, Omaha, Nebr.
 Ton-Gors Powdered Buttermilk Hog Builder.

Pure Cane Molasses Corporation, New York, N. Y.
Cane Mola.

Purity Oats Co., Davenport, Iowa.
Iowa Chick Feed, no Grit,
Iowa Chick Feed, with Grit,
Iowa Dairy Feed,
Iowa Horse Feed,
Iowa Scratch Feed, no Grit,
Iowa Scratch Feed, with Grit,
Iowa Stock Feed,
Purity Oat Feed,
Scattergood Chick Feed, no Grit,
Scattergood Chick Feed, with Grit,
Scattergood Horse Feed,
Scattergood Poultry Mash,
Scattergood Scratch, no Grit,
Scattergood Scratch with Grit,
Scattergood Stock Feed,
Tom Boy Chick Feed, no Grit,
Tom Boy Chick Feed, with Grit,
Tom Boy Poultry Mash,
Tom Boy Scratch Feed, no Grit,
Tom Boy Scratch Feed, with Grit,
Tom Boy Stock Feed.

Purity Oats Co., Keokuk, Iowa.
Purity Oat Feed.

Quaker City Flour Mills Co., Philadelphia, Pa.
Spring Wheat Bran with Ground Screenings not exceeding Mill Run,
Spring Wheat Middlings with Ground Screenings not exceeding Mill Run,
Winter Wheat Bran with Ground Screenings not exceeding Mill Run,
Winter Wheat Middlings with Ground Screenings not exceeding Mill Run.

Quaker Oats Co., The, Chicago, Ill.
American Poultry Feed,
Big Egg Scratch Grain, with and without Grit,
Blue Ribbon Scratch Grains,
Buckeye Feed,
Early Bird Scratch Grains, with and without Grit,
Excelsior Feed,
Ful-O-Pep Dry Mash,
Ful-O-Pep Growing Mash,
Ful-O-Pep Scratch Grains,
Pansy Scratch Grains, with and without Grit,
Quaker Scratch Grains,
Red Star Feed,
Schumacher Calf Meal,
Schumacher Scratch Grains,
Schumacher Special Horse Feed,
Sterling Horse Feed,
Sterling Scratch Grains,
Wheat Bran with Ground Screenings not exceeding Mill Run,
White Diamond Feed,
Yellow Hominy Feed.

Rachau, J. L., Clintondale, Pa.
Corn & Cob Meal,
Corn & Oats Chop,
Hen Food,
Mixed Chop,
Pure Corn Chop,
Wheat Bran,
Wheat Middlings,

Ralston Purina Co., Inc., St. Louis, Mo.
Good Luck Dairy Feed,
O. K. Horse Feed,
Protena Dairy Feed,
Protena Horse Feed,
Purina Baby Chick Chow Feed,
Purina Calf Chow Feed,
Purina Chick Feed,
Purina Chicken Chowder and Charcoal not over 1%,
Purina Chicken Fatena Feed,
Purina Cow Chow Feed,

Purina Dairy Feed,
 Purina Feed with Molasses,
 Purina Hen Chow (Scratch Feed),
 Purina O-Molene Feed,
 Purina Pig Chow with Charcoal not over 2%,
 Purina Pigeon Feed,
 Purina Scratch Feed,
 Purina Steer Fatena Feed with Charcoal not over 2%.

Ramsey, J. D., Pittsburgh, Pa.
 Feeding Tankage.

Rankin & Co., M. G., Milwaukee, Wis.
 Barley Middlings,
 Ground Barley Feed,
 Jersey Hominy Feed,
 Malt Sprouts,
 O. P. Oil Meal,
 Wheat Bran with Ground Screenings not exceeding Mill Run,
 Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,
 Wheat Reddog Flour,
 Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.

Rawleigh Co., The W. T., Freeport, Ill.
 Poultry Powder,
 Stock Tonic,

Reading Bone Fertilizer Co., Reading, Pa.
 Reading Poultry Bone,
 Rebofco Feeding Tankage.

Red River Milling Co., Fergus Falls, Minn.
 Bran,
 Middlings,
 Shorts.

Red Star Milling Co., The, Wichita, Kans.
 Wheat Bran and Screenings,
 Wheat Shorts and Screenings.

Red Wing Linseed Co., Red Wing, Minn.
 Red Wing Ground Oil Cake or Oil Meal.

Red Wing Milling Co., Red Wing, Minn.
 Bixota Bran with Ground Screenings not exceeding Mill Run,
 Bixota Flour Middlings,
 Bixota Red Dog,
 Bixota Standard Middlings.

Reece & Greenly, Millville, Pa.
 Buckwheat Feed.

Rees, A. F., Hanover, Pa.
 Rees' High Protein Tankage.

Reichard, Robert A., Allentown, Pa.
 Reichard's Beef & Bone Scrap,
 Reichard's Blood Meal,
 Reichard's Bone Granules,
 Reichard's Bone Meal,
 Reichard's High Grade Beef Scrap,
 Reichard's 40% Digester Tankage,
 Reichard's 60% Digester Tankage.

Replogle, U. E., Woodbury, Pa.
 Horse Chop,
 Mixed Chop.

Robin Hood Mills, Ltd., Moose Jaw, Sask., Canada.
 Robin Hood Bran,
 Robin Hood Feeding Oatmeal,
 Robin Hood Germ Middlings,
 Robin Hood Pulverized Oat Feed,
 Robin Hood Reground Oat Feed,
 Robin Hood Shorts.

Robinson, Jr., George B., New York, N. Y.

Cottonseed Feed,
Cottonseed Meal,
Hominy Feed.

Robinson Milling Co., The, Salina, Kans.

Gray Wheat Short and Screenings,
Wheat Bran and Screenings,
Wheat Mixed Feed & Screenings.

Rockwell & Son, H., Canton, Pa.

Corn Meal B,
Cracked Corn,
Hen-O-La Dry Mash,
Pure Corn Meal,
Pure Corn & Oats Chop,
Pure White Hominy Feed.

Rosenbaum Brothers, Chicago, Ill.

Advance Dairy Feed,
Horse Sense Grain Feed,
Rosebro Horse Feed,
Vitality Alfalfa Meal,
Vitality Chick Mash with Milk Albumen,
Vitality Chick Scratch, no Grit,
Vitality Chick Scratch, with Grit,
Vitality Dairy Feed,
Vitality Egg Mash with Milk Albumen,
Vitality Fattening Mash with Milk Albumen,
Vitality Growing Scratch, no Grit,
Vitality Growing Scratch, with Grit,
Vitality Hog Feed with Milk Albumen and Pure Blood Meal,
Vitality Horse Feed,
Vitality Milk Ration,
Vitality Pigeon Feed, no Grit,
Vitality Pigeon Feed, with Grit,
Vitality Pigeon Feed, no Grit; no Corn,
Vitality Scratch Feed, no Grit,
Vitality Scratch Feed, with Grit,
Will Pay Chick Scratch, no Grit,
Will Pay Chicken Scratch, with Grit,
Will Pay Dairy Feed,
Will Pay Dairy Ration,
Will Pay Hog Feed with Milk Albumen & Pure Blood Meal,
Will Pay Scratch Feed, no Grit,
Will Pay Scratch Feed, with Grit,
Will Pay Stock Feed with Molasses,
77 Dairy Feed,
77 Scratch Feed, no Grit,
77 Scratch Feed, with Grit.

Ross Feed Co., The, Ottawa, Kans.

Pure Wheat Bran,
Wheat Bran & Screenings (not over 8% Screenings),
Wheat Gray Shorts,
Wheat Mixed Feed.

Royal Milling Co., Great Falls, Mont.

Royal Wheat Bran with Ground Screenings not exceeding Mill Run,
Royal Wheat Mixed Feed with Ground Screenings not exceeding Mill Run,
Royal Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.

Russell-Miller Milling Co., Minneapolis, Minn.

Alta Middlings,
Bran,
Occident Wheat Feed.

Russia Cement Co., Gloucester, Mass.

Chick-Chuk (Fish Meal).

Ryde & Company, Chicago, Ill.

Rydes Chick Starting Mash with Dried Milk,
Rydes Cream Calf Meal,
Rydes Egg Mash,
Rydes Pig Meal.

Ryder, J. O., Matamoras, Pa.
Cackle Brand Meat and Bone Scrap.

Ryon, J. W., Elmira, N. Y.
Dairy Feed or Ration,
Pure Wheat Bran,
Pure Wheat Middlings.

St. Marys Mill Co., St. Marys, Mo.
Wheat Bran,
Wheat Middlings.

St. Paul Milling Company, St. Paul, Minn.
Komo Flour Middlings with Ground Screenings not exceeding Mill Run,
Komo Pure Wheat Bran,
Komo Pure Wheat Reddog,
Komo Standard Middlings with Ground Screenings not exceeding Mill Run.

Seager Milling Co., Allentown, Pa.
Hanover Scratch Feed,
Mixed Chop,
Wheat Bran,
Wheat Middlings.

Saginaw Milling Co., Saginaw, Mich.
Red Hen Chick Starter,
Red Hen Dry Mash,
Red Hen Scratch Feed,
Wolverine Scratch Feed.

Sauers Milling Co., Evansville, Ill.
Soft Winter Wheat Bran with Ground Screenings not exceeding Mill Run,
Soft Winter Wheat Middlings with Ground Screenings not exceeding Mill Run.

Savage, Wm. K., Danville, Pa.
Blue Ribbon Quality Poultry Feed,
Corn & Oats Chop.

Saxony Mills, St. Louis, Mo.
Choice Wheat Middlings,
Mixed Feed with Ground Screenings not exceeding Mill Run,
Wheat Bran with Ground Screenings not exceeding Mill Run.

Scarlett & Co., William G., Baltimore, Md.
Oriole Brand AA Pigeon Feed,
Oriole Brand AA Pigeon Feed with Flint Corn,
Oriole Brand AAA Pigeon Feed,
Oriole Brand Beef Scraps,
Oriole Brand Chick Feed,
Oriole Brand Dry Mash,
Oriole Brand Scratch Feed,
Oriole Brand Special Pigeon Feed.

Schneider Brothers & Co., Mount Carmel, Pa.
Golden Brand Chick Feed,
Golden Brand Poultry Feed,
S-Bro-Co Brand Laying Mash.

Schooley & Son, H. N., Luzerne, Pa.
Hen's Delight Scratch Feed,
No. 1 Mixed Chop,
No. 2 Mixed Chop.

Schreiber Milling & Grain Co., Minneapolis, Minn.
Fine Ground Feed Barley,
Fine Ground Whole Barley,
Schreiber's Hen Scratch.

Schreiber Milling & Grain Co., St. Joseph, Mo.
Flour Middlings,
Gray Shorts,
Wheatco.

Schultz, Banjan & Co., Beardstown, Ill.
Sunbeam Bran with Mill Run Screenings,
Sunbeam Middlings with Mill Run Screenings,
Sunbeam Millfeed.

- Schwoyer, Solomon I., Reading, Pa.
Homer Pigeon Feed.
- Seott County Milling Co., The, Sikeston, Mo.
Corn Bran,
Hominy Feed,
Mixed Feed,
Pure Corn Chop,
Pure Wheat Bran,
Pure Wheat Shorts,
Red Comb Hen Feed,
Unbolted Corn Meal.
- Seott, Logan Milling Co., Sheldon, Iowa.
Bran,
Middlings,
Shorts.
- Seureman Milling Co., Wilkes-Barre, Pa.
Tip Top Poultry Feed,
Tip Top Poultry Mash.
- Sessoms Groeery Company, Andalusia, Ala.
Velvet Bean Feed.
- Serv-Us Milling Co., Mankato, Minn.
Fauy Puro Wheat Bran,
Standard Wheat Middlings with Ground Serecuings not exceeding Mill Run,
Sterling Red Dog,
Whito Flour Middlings.
- Shane Brothers & Wilson Co., Philadelphia, Pa.
Clover Leaf Wheat Bran,
Millbourne Brand Chick Feed,
Red Dog Flour,
Rye Middlings with Ground Rye Screenings not exceeding Mill Run,
Snowball Wheat Flour Middlings with Ground Wheat Screenings not exceeding Mill Run,
Wheat Standard Middlings with Ground Wheat Screenings not exceeding Mill Run.
- Sheets Elevator Co., The, Cleveland, Ohio.
Diamond Horse Feed,
S-B Horse & Mule Feed.
- Sheffield-King Milling Co., Minncapolis, Minn.
Fairybow Middlings and Pulverized Wheat Screenings,
Faney Brodflake Bran with Ground Screenings,
Faney Low Grade,
Gold Mine Feed,
Wheat Flour Middlings and Ground Screenings,
Whitehope Middliugs and Pulverized Wheat Screenings.
- Shelly, H. S., Allentown, Pa.
Pure Wheat Bran,
Pure Wheat Middlings,
Wheat Bran with Mill Run Screenings.
- Sherwin-Williams Co., Cleveland, Ohio.
S. W. C. Linseed Oil Meal.
- Shingleur, F. A., Jackson, Miss.
Shinglestock Cottonseed Feed,
Shinglestock Choiee Cottonseed Meal,
Shinglestock Good Cottonseed Feed,
Shinglestock Prime Cottonseed Meal.
- Shredded Wheat Co., The, Niagara Falls, N. Y.
Shredded Wheat Waste.
- Shoemaker & Co., Inc., M. L., Philadelphia, Pa.
Swift-Sure Ground Beef Seraps.
- Shuto & Co., E. L., Philadelphia, Pa.
Challenge Alfalfa Horse Feed,
Shute's Special Horse Feed.
- Siegel, George L., Eric, Pa.
Government Mash for Poultry,
Mixed Feed for Poultry.

Simpson Co., The W. A., Baltimore, Md.

Champion Beef Screps,
Champion Brand Chick Feed,
Champion Brand Chick Starter,
Champion Brand Scratch Feed,
Champion Digester Tankage,
Greater Baltimore Beef Scraps,
Special Digester Tankage.

Sleepy Eye Mills, The, Sleepy Eye, Minn.

Red Dog,
Sleepy Eye Fancy White Middlings and Screenings,
Standard Middlings and Wheat Screenings,
Wheat Bran and Screenings,
Wheat Flour Middlings and Screenings.

Smith Milling Company, Milwaukee, Wis.

Diamond Scratch Feed,
Four (4-All) All Stock Feed,
Smith Balanced Ration Dairy Feed,
Vitex Dairy Feed.

Smith & Waldo, Wysox, Pa.

S. & W., Laying Mash.

Snively & Sons, J. C., Landisville, Pa.

Snively's Dry Mash.

Snyder Milling Co., The, Chillicothe, Ohio.

Logan Hominy Feed,
Standco Bran,
Standco Middlings,
Standco Mixed Feed.

Southern Cotton Oil Co., The, Charlotte, N. C.

Boveta Brand Cottonseed Hull & Meal Mixture,
Cotton Seed Feed,
Piedmont Brand Cottonseed Hull and Meal Mixture,
Sco Co. 7% Cottonseed Feed,
Sco Co. 7½% Cottonseed Meal.

Southwestern Milling Co., The, Kansas City, Mo.

Aristos Mixed Feed and Wheat Scourings,
Merit Pure Mixed Feed,
Optima Pure Soft Wheat Bran,
Optima Pure Soft Wheat Mixed Feed,
Red Turkey Pure Wheat Bran,
Red Turkey Pure Wheat Fancy White Middlings,
Red Turkey Wheat Brown Shorts and Wheat Scourings,
Red Turkey Wheat Gray Shorts and Wheat Scourings,
S. W. Mixed Feed and Wheat Scourings.

Spanogle-Yeager Milling Co., Lewistown, Pa.

Mt. Rock Scratch Feed,
Pure Wheat Bran,
Stock Feed,
White Middlings.

Sparks Milling Co., Alton, Ill.

Fancy Gray Middlings,
Try-Me Mixed Feed,
Try-Me Bran.

Sparks Milling Co., Terra Haute, Ind.

Wabash Bran,
Wabash Middlings,
Wabash Mixed Feed.

Spratt Patent Ltd., Newark, N. J.

Spratt's Bantam Food No. 4,
Spratt's Chicgrain,
Spratt's Chick Meal No. 5,
Spratt's Chick Meal No. 12,
Spratt's Crissel,
Spratt's Developing Food,
Spratt's Egg Mash Food,
Spratt's Ground Meat Scrap,
Spratt's Growing Mash Food,

Spratt's Pheasant Food No. 3,
 Spratt's Pheasant Meal No. 5,
 Spratt's Pheasant Meal No. 12,
 Spratt's Pigeon Food No. 4,
 Spratt's Poultry Food,
 Spratt's Scratch Food,
 Spratt's Turkey Food No. 3,
 Spratt's Turkey Meal No. 5,
 Spratt's Utility Mash Food,
 Spratt's Wild Duck Meal.

Stadler Rendering & Fertilizer Company, The J. L. & H., Cleveland, Ohio.
 Stadlers 60% Digester Tankage,
 Stadlers 50% Feeding Tankage,
 Stadlers 50% Meat Scraps,
 Stadlers 45% Meat & Bone Scraps.

Stafford Flour Mills Co., The, Stafford, Kans.
 Standard Wheat Shorts,
 Wheat Bran & Screenings,
 Wheat Mixed Feed & Screenings.

Staley Manufacturing Co., A. E., Deatur, Ill.
 Staley's Corn Gluten Feed.

Standard Fertilizer Co., Meigs, Ga.
 Velvet Bean Feed Meal.

Standard-Tilton Milling Co., St. Louis, Mo.
 Liberty Bond Wheat Bran with Screenings not exceeding Mill Run,
 Liberty Bond Wheat Middlings with Screenings not exceeding Mill Run,
 Liberty Bond Wheat Mixed Feed with Screenings not exceeding Mill Run.

Stanley Co., Inc., John T., New York, N. Y.
 Stanley's Meat Serap.

Star & Creseent Milling Co., Chicago, Ill.
 Creseent Bran with Ground Screenings not exceeding Mill Run,
 Creseent Middlings,
 Rye Feed,
 Star Bran with Ground Screenings not exceeding Mill Run,
 Star Middlings with Ground Screenings not exceeding Mill Run,
 Star Red Dog.

Stauffer, H. M., Leola, Pa.
 Leola Chick Feed,
 Leola Dry Mash,
 Leola Hog Feed,
 Leola Scratch Feed,
 Leola Special Chick Feed.

Stegmaier Brewing Company, Wilkes-Barre, Pa.
 Dried Brewers Grain.

Stellmann, W. H., Baltimore, Md.
 F. B. Brewers' Dried Grains.

Stern & Sons, Inc., Milwaukee, Wis.
 Atlas Red Dog,
 Atlas Wheat Bran with Ground Screenings not exceeding Mill Run,
 Atlas Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,
 Rye Middlings,
 Standard Wheat Middlings with Ground Screenings not exceeding Mill Run.

Stoek & Sons, F. W., Hillsdale, Mich.
 Bran,
 Middlings,
 Monarch Mixed Feed,
 Superior.

Stokes Milling Co., Watertown, S. D.
 Flour Middlings with Ground Screenings not exceeding Mill Run,
 Red Dog,
 Standard Shorts with Ground Screenings not exceeding Mill Run,
 Wheat Bran with Ground Screenings not exceeding Mill Run.

Sugarine Co., The, Owensboro, Ky.

Ideal Horse & Mule Feed,
Ideal Scratch Feed,
Suco Alfalfa Horse Feed,
Suco Dairy Feed,
Suco Hog Meal,
Sugarine Alfalfa Horse Feed,
Sugarine Calf Meal,
Sugarine Chick Feed,
Sugarine Dairy Feed,
Sugarine Hog Meal,
Sugarino Poultry Mash,
Sugarine Scratch Feed,
Universal Scratch Feed.

Stott Flour Mills Inc., David, Detroit, Mich.

Climax Wheat Middlings & Wheat Screenings,
Heavy Mixed Feed,
Honest Mixed Feed,
Pennant Wheat Middlings & Wheat Screenings,
Pure Winter Wheat Bran,
Spring Wheat Bran & Wheat Screenings,
Stott's Winner Feed.

Swift & Company, Chicago, Ill.

Swift's Blood Meal,
Swift's Digester Tankage,
Swift's Eureka Meat and Bone Scraps,
Swift's Gromeal for Hogs,
Swift's Laymore Meat and Bone Scraps,
Swift's Meat Meal,
Swift's Meat Scraps,
Swift's Poultry Bone,
Swift's Soluble Blood Flour.

Swope Brothers, Johnstown, Pa.

Banner Chick Feed,
Corn and Oats Chop,
Corn, Oats and Barley Chop,
Excelsior Chicken Feed.

Syracuse Rendering Co., Syracuse, N. Y.

Syracuse Bone Meal Cattle and Poultry,
Syracuse Bone and Meat Meal for Poultry and Hogs,
Syracuse Cracked Bone for Poultry,
Syracuse Poultry Feed.

Taylor Commission Co., Atlanta, Ga.

Taylor Brand Cottonseed Feed,
Taylor Brand Prime Cotton Seed Meal.

Teed's Sons, W. I., Tyrone, Pa.

Teeds Ready Mixed Laying Mash.

Temtorcorn & Fruit Produce Co., St. Louis, Mo.

Tiger Corn Gluten Feed,
Tiger Corn Gluten Meal,
Tiger Corn Oil Cake Meal.

Tennessee Fibre Co., Memphis, Tenn.

Creamo Brand Cotton Seed Feed.

Thomas & Company, Frederick, Md.

Thomas Dairy Feed.

Thompson & Co., Pittsburgh, Pa.

Oil Meal.

Thorton & Chester Milling Co., Buffalo, N. Y.

T. & C. Wheat Bran with Ground Screenings not exceeding Mill Run,
T. & C. Wheat Coarse Middlings with Ground Screenings not exceeding Mill Run,
T. & C. Wheat Middlings with Ground Screenings not exceeding Mill Run,
T. & C. Wheat Mixed Feed with Ground Screenings not exceeding Mill Run.

Tiedemann Milling Co., Charles, O'Fallon, Ill.

Buttercup Wheat Bran with Ground Screenings,
Full Value Wheat Middlings with Ground Screenings,
Wheat Bran with Ground Screenings not exceeding Mill Run,
Wheat Middlings with Ground Screenings not exceeding Mill Run.

Tioga Mill & Elevator Co., Waverly, N. Y.

Alfalfa Meal,
Blue Brand Tioga Dairy Feed,
Colonel's Ration,
Corn Feed Meal,
Derby Chick Feed,
Derby Meal,
Derby Scratch Feed,
Omar Mixed Feed,
Red Brand Tioga Dairy Feed,
Tioga Brood Sow Feed & Pig Feed,
Tioga Calf Food,
Tioga Chick Feed,
Tioga Fattening Hog Feed,
Tioga Growing Grains,
Tioga Growing Mash,
Tioga Growing Shout Feed,
Tioga Horse Feed,
Tioga Poultry Grains,
Tioga Wheat Middlings,
Tioga Laying Food,
Waverly Flour Wheat Middlings,
White Brand Tioga Dairy Feed.

Toledo Grain & Milling Co., The, Toledo, Ohio.

Camp's "A" Yellow Chop Feed,
Camp's Cloverdale Dairy Ration,
Camp's Clover Leaf Scratch Feed No. 6,
Camp's Clover Leaf Scratch Feed No. 9,
Camp's C. O. & B. Chop Feed,
Camp's C. O. B. K. Chop Feed,
Camp's Corn Meal (Stone Ground),
Camp's Corn & Oats Chop Feed,
Camp's Cracked Corn,
Camp's Flaked Corn & Oats,
Camp's Invincible Alfalfa Feed,
Camp's Keystone Chop Feed,
Camp's Little Wonder Chop Feed,
Camp's Maumee Stock Feed,
Camp's M. D. Chop Feed,
Camp's No. 1 White Middlings,
Camp's No. 1 Yellow Chop Feed,
Camp's Red Ball Chick Feed,
Camp's Red Ball Egg Mash,
Camp's Red Ball Scratch Feed No. 7,
Camp's Red Ball Scratch Feed No. 10,
Camp's Standard Wheat Middlings,
Camp's Stock Feed,
Camp's Surprise Chop Feed,
Camp's Wamba Chop Feed,
Camp's Winter Wheat Bran,
Camp's Yellow Corn Meal.

Toledo Seed & Oil Co., The, Toledo, Ohio.
Major Brand Old Process Oil Meal.

Topeka Flour Mills Co., Topeka, Minn.
K-Y Wheat Bran and Screenings.

Traders Flour & Feed Co., Bangor, Pa.
Lion Scratch Feed,
Mixed Feed.

Traders & Producers Supply Co., Buffalo, N. Y.
Bonny Flour Middlings,
Rex Wheat Middlings.

Trinity Cotton Oil Co., Dallas, Texas.
Cotton Seed Meal.

Trow Company, W., Madison, Ind.
Trow's Wheat Bran with Ground Screenings not exceeding Mill Run,
Trow's Wheat Middlings with Ground Screenings not exceeding Mill Run,
Trow's Wheat Mixed Feed with Ground Screenings not exceeding Mill Run.

Ubiko Milling Co., The, Cincinnati, Ohio.

Dried Beet Pulp,
 Fourex Dairy Feed,
 Sunbeam Dairy Feed,
 Ubiko Buttermilk Egg Mash,
 Ubiko Buttermilk Growing Mash,
 Ubiko Chick Feed,
 Ubiko Pig Meal,
 Ubiko Scratch Feed,
 Ubiko Stock Feed,
 Union Grains, Ubiko, Biles Ready Dairy Ration.

Union Starch & Refining Co., Edinburgh, Ind.
 Union Corn Gluten Feed.

Union Terminal Elevator Co., Minneapolis, Minn
 Whole Ground Barley.

United Home Dressed Meat Co., Altoona, Pa.
 Digester Tankage,
 Meat & Bone.

Urban Milling Co., George, Buffalo, N. Y.
 Wheat Bran with Ground Screenings not exceeding Mill Run,
 Wheat Middlings with Ground Screenings not exceeding Mill Run,
 Wheat Mixed Feed with Ground Screenings not exceeding Mill Run.

U. S. Food Product Corporation, New York, N. Y.
 Farmer Jones Choice Dairy Ration,
 Farmer Jones Corn Oil Cake Meal,
 Farmer Jones Dairy Feed,
 Farmer Jones Distillers Grains,
 Farmer Jones Gluten Grains,
 Farmer Jones Hog Meal,
 Hi-Lo Dairy Ration,
 Melocorn Dairy Ration,
 Sterling Dairy Ration,
 Success Dairy Feed.

Valier & Spies Milling Co., St. Louis, Mo.
 Valier's Wheat Bran with Ground Wheat Screenings,
 Valier's Wheat Middlings with Ground Wheat Screenings,
 Valier's Wheat Mixed Feed with Ground Screenings.

Valley City Milling Co., Grand Rapids, Mich.
 Rowena Wheat Bran with Ground Screenings not exceeding Mill Run,
 Rowena Wheat Cowfeed with Ground Screenings not exceeding Mill Run,
 Rowena Wheat Middlings with Ground Screenings not exceeding Mill Run.

Van Iderstine Company, The, Long Island City, N. Y.
 Van Iderstine Blood Meal,
 Van Iderstine Granulated Bone,
 Van Iderstine High Protein Meat Scraps,
 Van Iderstine Pure Ground Meat Scraps,
 Van Iderstine Raw Bone Meal,
 Van Iderstine Tankage For Hogs.

Victor Brewing Co., Jeannette, Pa.
 Brewers Dried Grains.

Virginia Feed & Milling Corporation, Alexander, Va.
 Arlington Hog Meal,
 Arlington Horse Feed,
 Blue Bell Dairy Feed,
 Booster Young Stock Feed,
 Big O Horse Feed,
 C and O Chop,
 C. O. and B. Chop,
 Crown Chick Feed,
 Crown Mash Feed,
 Crown Poultry Feed,
 Eureka Dairy Feed,
 Fairfax Horse Feed,
 Old Dominion Horse Feed,
 Special No. 1 Horse Feed,
 Special No. 2 Horse Feed,
 Summerine Horse Feed,

Supreme Dairy Feed,
 Supreme Horso Feed,
 Tirol Sweet Feed,
 V. C. Horso Feed.

Voight Milling Co., Grand Rapids, Mich.

Voight's Rye Feed,
 Voight's Winter Wheat Bran with Ground Screenings not exceeding Mill Run,
 Voight's Winter Wheat Middlings with Ground Screenings not exceeding Mill Run.

Wade & Sons, Inc., John, Memphis, Tenn.

Square Deal Calf Meal,
 Square Deal Egg Mash,
 Square Deal 24% Dairy Feed.

Waggoner-Gates Milling Co., Independence, Mo.

Soft Wheat Mixed Feed.

Walters & Walters, Philadelphia, Pa.

W. & W. Dairy Feed,
 W. & W. Horse Feed,
 W. & W. Special Feed,
 W. & W. Special Dairy Feed.

Walton Brothers, Philadelphia, Pa.

Peerless Scratch Feed.

Washburn-Crosby Co., Minneapolis, Minn.

Adrian Red Dog Flour,
 Arlington Second Clear Flour,
 Corn Feed Meal,
 Durum Wheat Bran with Ground Screenings not exceeding Mill Run,
 Durum Wheat Red Dog Flour,
 Durum Wheat Second Clear Flour,
 Durum Wheat Standard Middlings with Ground Screenings not exceeding Mill Run,
 Ground Whole Barley,
 Rye Middlings,
 Wheat Bran with Ground Screenings not exceeding Mill Run,
 Wheat Flour Middlings with Ground Screenings not exceeding Mill Run,
 Wheat Mixed Feed with Ground Screenings not exceeding Mill Run,
 Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.

Wash-Co Alfalfa Milling Co., Fort Calhoun, Neb.

Alfaleream,
 Alfalgreen,
 Famous Horse Feed,
 Harvest King,
 Nebraska,
 Practieal,
 Pride of the West,
 Special,
 Strong Horse Feed,
 Wash-Co.

Washington, Alexandria & Cooke Co., Charles Town, W. Va.

Waeo Cotton Seed Feed.

Wathen Milling Company, Louisville, Ky.

Wathens Hominy Feed.

Watkins Company, The, J. R., Winona, Minn.

Watkin's Poultry Tonic,
 Watkin's Stock Tonic.

Weiss Milling Co., The Otto, Wichita, Kans.

Otto Weiss Alfalfa Meal,
 Otto Weiss Alfalfa Molasses Feed,
 Otto Weiss Dairy Feed,
 Otto Weiss Hog Feed,
 Otto Weiss Horse & Mule Feed,
 Otto Weiss Keepemfat,
 Otto Weiss Stock Feed.

Wells-Abbott-Nieman Co., Schuyler, Neb.
 Mill Run Wheat Feed,
 Pure Wheat Bran,
 Pure Wheat Middlings.

Wells Flour Milling Company, Wells, Minn.
 Feedwell Bran with Ground Screenings not exceeding Mill Run,
 Feedwell Flour Middlings,
 Feedwell Germ Middlings,
 Feedwell Low Grade Flour,
 Feedwell Standard Middlings with Ground Screenings not exceeding Mill
 Run,
 Feedwell Wheat Middlings.

Wentz, A. F., Jersey Shore, Pa.
 Buckwheat Middlings,
 Corn and Oats Chop,
 Little Chick Feed,
 Pure Wheat Bran,
 Pure Wheat Middlings,
 Scratch Grains.

Wertz & Sons, F. S., Reading, Pa.
 Berkshire Dairy Feed,
 Faramel Dairy Feed,
 Faramel Horse Feed,
 Liberty Standard Laying Mash,
 Our Own Alfalfa Horse Feed,
 Our Own Scratch Feed.

Western Flour Mills Co., Davenport, Iowa.
 Black Hawk Bran with Ground Screenings not exceeding Mill Run,
 Black Hawk Standard Middlings with Ground Screenings not exceeding Mill
 Run,
 Black Hawk Wheat Flour Middlings,
 Black Hawk Wheat Germ Midds,
 Black Hawk Wheat Low Grade,
 Black Hawk Wheat Second Clear.

Western Grain Products Co., Hammoud, Ind.
 Alfalfa Meal,
 Calumet Alfalfa Horse Feed,
 Calumet Hog Feed,
 Calumet Scratch Feed, no Grit,
 Calumet Scratch Feed, with Grit,
 Hammond Scratch Feed, no Grit.

Western Star Mill Co., The, Salina, Kans.
 Bran & Screenings,
 Winter Wheat Shorts.

Westervelt & Co., A. C., Memphis, Tenn.
 Planet Brand Cottonseed Meal,
 Star Brand Cottonseed Meal,
 Sun Brand Cottonseed Feed.

Whitaker-Glessner Co., Wheeling, W. Va.
 Palm Oil Middlings.

Wiley Fertilizer Company, The, Troy, Ala.
 Velvet Bean Feed,
 Velvet Bean Meal.

Wilkes-Barre Milling Co., Wilkes-Barre, Pa.
 Blue Ribbon Scratch Feed,
 Blue Ribbon Stock Feed,
 Mixed Chop.

Williams Brothers Co., The, Kent, Ohio.
 Kent Mixed Feed,
 Fancy Winter Wheat Middlings,
 Pure Ohio Wheat Bran.

Williams, Frank, Easton, Pa.
 Dandy Horse Feed,
 Diamond Beef Scrap,
 Diamond Chick Food,
 Diamond Mash Feed,

Diamond Scratch Feed,
 Special Horse Feed,
 Star Scratch Feed,
 Tip Top Horse Feed,
 Wheat Bran,
 Wheat Middlings.

Wilson Flour Mills, Wilson, Kans.
 Mill Run Bran and Screenings not to exceed 8% Screenings,
 Pure Standard Wheat Shorts,
 Wheat Bran and Screenings not to exceed 8% Screenings.

Wilson, John C., Philadelphia, Pa.
 Wilson's Alfalfa Molasses Horse Feed.

Wilson & Co., Inc., Chicago, Ill.
 Red W Brand Poultry Meat Scraps,
 Red W Protein Tankage,
 Red W Protein Tankage Doubly Sterilized.

Winner, F. L., Lock Haven, Pa.
 Winner Brand Tankage Pig Feed.

Wolfe & Huffman, Watsonstown, Pa.
 Wolfe & Huffman Dairy Feed.

Wright Milling Co., Berlin, Wis.
 Pure Rye Feed.

Wyeoff, J. M., East Stroudsburg, Pa.
 Dairy Feed,
 Mixed Feed,
 Poultry Mash,
 Scratch Grain,

Yerxa, Andrews & Thurston, Inc., Minneapolis, Minn.
 Golden Durum Wheat Flour Middlings,
 Nokomos Durum Wheat Bran.

Young's Stock Food Co., Dr. Thomas D., Roaring Springs, Pa.
 Dr. Young's Animal Regulator,
 Dr. Young's Anti-Abortion Food,
 Dr. Young's Hog Food,
 Dr. Young's Horse Regulator,
 Dr. Young's Poultry Food.

Zenith Milling Co., Kansas City, Mo.
 Pure Wheat Shorts,
 Wheat Bran and Screenings not exceeding Mill Run.

DISCUSSION OF THE RESULTS OF INSPECTION.

The special agents of the Bureau, during 1920, secured from the selling agents and feed dealers throughout the State 1,100 official samples of commercial feeding stuffs, which were analyzed chemically for moisture, protein, fat and fiber, and subjected to a microscopical examination to determine whether or not the requirements of the feeding stuffs law were being complied with as to correct branding, guaranteeing and proper listing of ingredients and for the purpose of detecting adulteration with prohibited and inferior materials. Reports were also submitted covering each sample and including retail selling prices and in addition to the selection of samples an inspection was made of the methods of labeling and guaranteeing and general conditions of storage and making sales from bulk and in sacks. The results thus secured and the estimated average composition and retail values for each kind or group of feeding stuffs have been classified and tabulated in the large table, which follows. These samples included 662 different brands or kinds put out by 259 manufacturing firms. There were 215 samples representing brands of feeds not registered, however many of these materials were whole grain feeds, pure wheat and rye, bran and middlings and mixed feeds, for which registration is not required. Many feed dealers and selling agents were visited where only a few or no samples were selected because the conditions found did not warrant duplication of samples or where no feeds covered by the law were being offered for sale. In addition to those enumerated one sample of Medicated Stock Salt, "Doz-It," was obtained, which was not classed as a feed nor covered by the law, which was composed for the most part of common salt with a small portion of charcoal and sulphate of iron. Of the total number of samples received, 704, or 64 per cent., were Proprietary and Miscellaneous Mixed Feeds. There were 129 samples, or 11.7 per cent., of these mixed feeds in which the content of fiber exceeded 10 per cent., the amount permitted in feeds containing oat hulls, oat meal mill by-product, clipped oat by-product, flax plant refuse and cottonseed hulls; 165, or 15.00 per cent., of the samples where the lists of ingredients were found to vary from the claimed compositions; 96, or 8.7 per cent., of the samples in which a small amount of whole weed seeds were present, and 7 samples of mixed feeds in which were found a large amount of whole weed seeds. There were also 30 samples in which other variations with respect to an excess of restricted by-products or in which prohibited materials were included. In selecting these samples the special agents visited 385 towns and cities in 55 counties, the number of samples secured in each county being as follows: Adams, 24; Allegheny, 32; Armstrong, 17; Beaver, 24;

Bedford, 13; Blair, 28; Bradford, 22; Bucks, 14; Butler, 20; Cambria, 28; Cameron, 8; Centre, 33; Chester, 35; Clarion, 6; Clearfield, 22; Clinton, 8; Columbia, 28; Crawford, 11; Cumberland, 24; Dauphin, 27; Delaware, 20; Elk, 12; Erie, 19; Fayette, 18; Forest, 6; Franklin, 12; Greene, 4; Huntingdon, 9; Indiana, 20; Jefferson, 23; Juniata, 3; Lackawanna, 25; Lancaster, 64; Lawrence, 12; Luzerne, 39; Lycoming, 17; McKean, 28; Mercer, 28; Mifflin, 21; Montgomery, 36; Montour, 11; Northumberland, 6; Perry, 10; Philadelphia, 1; Potter, 6; Somerset, 13; Susquehanna, 17; Union, 5; Venango, 10; Warren, 9; Washington, 42; Wayne, 18; Westmoreland, 56; Wyoming, 30; York, 26.

OIL CAKE PRODUCTS.

COTTONSEED MEAL.

Analyses on page 93 to 96.

There were 23 samples of cottonseed meal received and analyzed, all of which were taken from guaranteed shipments, representing 17 different brands, placed on the market by 13 companies, 5 of which were not registered. Five samples represented shipments guaranteed to contain 43.00 per cent. protein, 10 were guaranteed 41.00 per cent. protein, 7 had $38\frac{1}{2}$ per cent. protein guarantees and 1 classified as a cottonseed meal was guaranteed 36.00 per cent. protein but was found upon analysis to contain 41.31 per cent. They varied in their analyses from 37.94 to 47.81, averaging $42.3\frac{1}{4}$ per cent. protein, from 5.66 to 10.88, averaging 7.57 per cent. fat, and from 6.55 to 15.77, averaging 10.18 per cent. fiber. There were 2 samples classified as being deficient in protein and 1 in fat, the majority, as will be noted, exceeding their protein guarantees. There were only 10 samples where the content of fiber materially exceeded 10.00 per cent. The retail sell-

ing prices reported at the time the samples were selected ranged from \$68 to \$100 and averaged \$85.13 a ton, or \$1.71 a unit for protein and fat, based on average composition, showing an increase over the average retail value of \$72.20 a ton, of \$1.48 a unit, for the cottonseed meals examined during 1919.

COTTONSEED FEED.

Analyses on pages 95 to 102

The larger proportion of oil cake products selected for analysis during the year were classified as cottonseed feed and numbered 69 samples. With the exception of 3 samples containing 20.00 per cent. protein, they were guaranteed 36.00 per cent. protein and were found, with one exception, to be guaranteed, representing 25 different brands, all but 4 being registered, the out-put of 23 firms. This grade of cottonseed product, which in many states is sold as meal, is, because of the fiber restriction, required to be registered, labeled and sold as a feed with a statement of composition that it is composed of cottonseed meal and cottonseed hulls. They analyzed from 19.06 to 45.06, averaging 36.71 per cent. protein, from 2.98 to 9.32, averaging 6.70 per cent. fat, and from 7.85 to 25.29, averaging 13.20 per cent. fiber. As will be noted the average content of protein was slightly above the prevailing guarantees, which included the 3 samples containing approximately 20.00 per cent. protein, while many considerably exceeded their guarantees. There were 9 samples which were found deficient in protein and 1 in fat. The retail selling prices were from \$50 to \$110 and averaged \$80.07 a ton, which would give approximately an average retail value of \$1.84 a unit for protein and fat in this class of feeding stuffs compared with \$1.71 a unit estimated for cottonseed meal, indicating that the protein and fat cost more than in the higher grades of cottonseed meal. The average selling price exceeded that noted for 1919 of \$71.38 a ton.

LINSEED OIL MEAL.

Analyses on pages 101 to 106

The by-product obtained from the old process extraction of linseed oil from flaxseed included 37 samples which, with one exception, were selected from shipments found guaranteed and included 13 different brands registered by 12 companies, 1 brand not being registered as required. They were guaranteed to contain from 30.00 to 34.00 per cent. protein and analyzed from 29.36 to 36.81, averaging 32.14 per cent. protein, from 5.57 to 9.95, averaging 6.83 per cent. fat and from 4.23 to 9.14, averaging 7.78 per cent. fiber. Eight samples were found deficient in protein, the majority, as a rule, exceeding their guarantees. Two samples of 1 brand were branded as screenings oil feed and were the by-product from the extraction of oil from feed not

thoroughly cleaned from screenings. The retail selling prices were from \$66 to \$110 and averaged \$85.92 a ton, which value was in excess of the average retail price of \$75.29 a ton reported for the 1919 brands.

DISTILLERY AND BREWERY BY-PRODUCTS.

DISTILLERS' DRIED GRAINS, LARGELY FROM CORN.

Analyses on pages 105 to 106

There was only 1 sample of distillers' dried grains, composed for the most part of corn residues, received during the year, indicating a continued decrease in source of supplies of this class of materials. It was guaranteed to contain 30.00 per cent. protein and analyzed 41.44 per cent. protein, 9.00 per cent. fat and 13.10 per cent. fiber and sold for \$60 a ton, which was \$8 less than the retail value reported for the 1 shipment sampled and examined during 1919.

DISTILLERS' AND YEAST DRIED GRAINS.

Analyses on pages 105 to 106

The product resulting from the manufacture of yeast and combined with those obtained from the distilling processes found offered for sale during the year, was represented by 3 samples and 2 brands, 1 of which was registered as required. The guarantees were, with the exception of 1 in fat, sustained upon analysis and they contained from 17.44 to 20.31, averaging 19.06 per cent. protein, from 6.47 to 6.81, averaging 6.65 per cent. fat and from 17.26 to 18.65, averaging 17.81 per cent. fiber. They retailed from \$52 to \$70 and averaged \$60.60 a ton, compared with \$50 a ton noted for this class of products during the previous season.

BREWERS' DRIED GRAINS.

Analyses on pages 105 to 108

Nine samples, representing guaranteed shipments of brewers' dried grains, registered by 6 companies, were examined during the year. They were guaranteed to contain from 22.23 to 27.20 per cent. protein and 5 were found to be deficient in protein, 4 in fat and 1 sample was found to be mouldy and damaged. They analyzed from 20.81 to 29.06, averaging 24.09 per cent. protein, from 5.80 to 6.68, averaging 6.20 per cent. fat and from 13.70 to 16.60, averaging 15.23 per cent fiber. The retail selling prices were reported as being from \$57 to \$77, averaging \$69 a ton, compared with \$58.80 a ton for the previous year's brands.

MAIZE BY-PRODUCTS.

CORN GLUTEN MEAL.

Analyses on pages 107 to 108

Only 1 sample was received of a registered brand of corn gluten meal, a product obtained from the manufacture of starch, consisting largely of the horny endosperm or flinty part of the corn, containing practically no starch and not available in large quantities. It was found upon analysis to contain 42.50 per cent. protein, 1.98 per cent. fat, 1.75 per cent. fiber, exceeding the guarantees, as will be noted. The shipment represented retailed for \$4.50 a hundred pounds, or at the rate of \$90 a ton.

CORN GLUTEN FEED.

Analyses on pages 107 to 110

The samples of gluten feed numbered 23, all but 1 being from guaranteed shipments, representing 7 brands, and all but 1 brand were registered by 7 firms. With the exception of 1 sample deficient in fat, the guarantees were sustained. One sample contained malt sprouts and malted barley. They analyzed from 23.00 to 31.44, averaging 26.45 per cent. protein, from 1.49 to 7.15, averaging 3.03 per cent. fat and from 5.30 to 7.92, averaging 6.87 per cent. fiber. The retail selling prices reported were from \$58 to \$86, averaging \$74.48 a ton compared with \$67.92 a ton for the 1919 shipments.

HOMINY FEED.

Analyses on pages 109 to 112

The samples of hominy feed examined during the year numbered 11, representing as many properly guaranteed shipments, including 8 different brands, the out-put of as many companies and were, with one exception, registered as required. They varied in their composition from 10.19 to 13.31, averaging 11.56 per cent. protein, from 5.48 to 8.33, averaging 6.79 per cent. fat, and from 2.75 to 6.79, averaging 4.27 per cent. fiber, only 1 being found deficient in fat. Two samples and brands were shown to contain screenings. The selling prices varied considerably and ranged from \$45 to \$85, averaging \$69.46 a ton, a slight increase of 34 cents over the average retail price offered for last year's brands.

CORN BRAN.

Analyses on pages 111 to 112

Only 2 samples and brands of corn bran were obtained, which represented guaranteed and registered shipments. Both exceeded their guarantees upon analysis and averaged 12.94 per cent. protein, 7.94 per cent. fat and 8.52 per cent. fiber and retailed for \$3.35 a hundred pounds, or at the rate of \$67 a ton compared with \$54 a ton, the prevailing prices reported for last year.

CORN FEED MEAL.

Analyses on pages 111 to 112

The by-product obtained from the manufacture of cracked corn and table meal from the whole grain and classified as corn feed meal, is represented by only 3 samples obtained from guaranteed shipments including 2 brands registered by as many manufacturing firms. The guarantees were exceeded upon analysis and they varied from 9.06 to 10.00, averaging 9.54 per cent. protein, from 3.68 to 4.88, averaging 4.14 per cent. fat and from 1.95 to 2.70, averaging 2.21 per cent. fiber. The retail selling values were reported as being from \$60 to \$75 and averaged \$69.67 a ton, a decrease in value compared with \$76 reported for last year's brands.

WHEAT OFFALS.

WHEAT BRAN.

(With and without ground grain screenings.)

Analyses on pages 111 to 120

During the year 63 samples of wheat offals were received and analyzed, which were classified as wheat bran. with and without ground grain screenings. In previous reports two groups of this product have been made, showing those grades sold as wheat bran and those as wheat bran with mill run screenings. As there appeared to be, however, no marked difference in their chemical composition and as those labeled to contain screenings, in many cases contained no screenings and further, as those grades in which screenings were added contained, as a rule, small amounts, it seemed desirable to group and tabulate all grades together. They represented 51 brands, put out by as many different firms, and with the exception of 9 samples were selected from guaranteed shipments. There were 11 brands, which were not registered with the Department, however

many of these were not required to be registered where they were pure, as pure wheat offals are exempt from registration. Two samples were found deficient in protein and 1 in fat and 2 samples, which were offered as pure wheat bran, were found to contain a small amount of ground screenings and in 1 sample a trace of linseed oil meal was detected probably being accidentally introduced. There were 25 samples offered as pure wheat bran, which contained no screenings, and 2 samples labeled to contain screenings were found to be free from this by-product. They varied in their composition from 12.38 to 19.44 and averaged 16.32 per cent. protein, from 3.80 to 6.29, averaging 4.68 per cent. fat and from 6.92 to 11.17, averaging 9.31 per cent. fiber. The selling prices showed a wide range and were from \$45 to \$80 and averaged \$59.02 a ton, being approximately \$7 higher than the average retail prices reported for the wheat bran examined during 1919.

MIXED FEED: WHEAT BY-PRODUCTS.

(With and without ground grain screenings.)

Analyses on pages 121 to 122

There were 9 samples classified as mixed feed, being mixtures of wheat bran and wheat middlings which, with 2 exceptions, represented 8 brands from guaranteed shipments, the product of as many producing firms. Two brands were not registered as required. Six of the samples were shown to contain the so-called mill run of ground grain screenings and 1 sample not labeled to show the presence of screenings was found to contain this by-product, which consisted largely of ground corn cockle. Considerable variation in the compositions of this class of feeding stuffs was also noted, the protein varying from 16.19 to 19.19 and averaging 17.38 per cent., the fat varying from 4.67 to 6.05, averaging 5.19 per cent., and the fiber from 6.42 to 8.85, averaging 7.99 per cent. The reported retail selling values were from \$46 to \$65 and averaged \$57 a ton, being \$2 less than the selling prices for this feed for last year.

WHEAT MIDLINGS.

(With and without ground grain screenings.)

Analyses on pages 121 to 134

During the year there were 75 samples of wheat offal feeding stuffs received and analyzed, which were either free from or contained ground screenings and which were classified as wheat middlings. All but 13 were from guaranteed shipments, representing 63 different brands placed on the market by 52 firms. There were 4 grades or types of these middlings included which, as indicated by their chemi-

cal analyses, compared with accepted standards for these grades and accordingly they were grouped together for the purpose of comparison and making averages, including both those with and without screenings as follows:

There were 14 samples classified as Standard Wheat Middlings, analyzing from 14.56 to 19.69, and averaging 16.95 per cent. protein, from 4.38 to 7.25, averaging 5.19 per cent. fat and from 6.90 to 10.02, averaging 8.34 per cent. fiber. All of these samples, as will be noted, exceeded their guarantees and all but 1 contained mill run ground grain screenings. The selling prices were from \$50 to \$82, and averaged \$65.14 a ton. These figures are higher than those reported for last year although an accurate comparison cannot be had because of a different classification.

The samples classified as Wheat Shorts, numbered 27 and varied in their compositions from 14.19 to 18.88, averaging 16.89 per cent. protein, from 3.63 to 7.70, averaging 4.83 per cent. fat and from 3.80 to 7.00, averaging 5.44 per cent. fiber. Only a few of the brands were registered, many of which were exempt because of their not containing ground grain screenings. There were 12 samples which contained the so-called mill run of ground grain screenings and 1 sample was found deficient in fat. The selling prices were from \$54 to \$80, and averaged \$69.80 a ton also exceeding the average values reported for this type of feeds for last year.

The grades classified as Wheat Flour Middlings, included 21 samples, all of which were selected from guaranteed shipments, representing 16 brands, 1 of which was not registered as required. All but 2 samples contained mill run ground grain screenings and 1 sample was deficient in fat. They were found upon analysis to contain from 15.69 to 19.94, averaging 17.53 per cent. protein, from 3.78 to 6.01, averaging 4.60 per cent. fat and from 3.45 to 8.80, averaging 5.81 per cent. fiber. The selling prices were from \$56 to \$85 and averaged \$72.51 a ton.

There were 13 samples received and classified as Low Grade Flour, or Red Dog, 11 being obtained from guaranteed shipments including 10 different brands. Two of these samples failed to meet their guarantees for fat, 1 contained a small amount of ground grain screenings, not shown to be present upon the label, and 1 was labeled to show the presence of this by-product, the remaining samples being free from screenings. They analyzed from 15.63 to 19.25, averaging 17.93 per cent. protein, from 2.68 to 4.93, averaging 3.91 per cent. fat and from 0.70 to 4.23, averaging 2.46 per cent. fiber. The retail selling values were from \$70 to \$88 and averaged \$79 a ton, being in excess of the value of \$74.60, the average selling price for this type of middlings examined during the previous season.

RYE OFFALS.

RYE MIDDLINGS.

(With and without ground grain screenings.)

Analyses on pages 133 to 134

The rye offals are represented by 5 samples of rye middlings, 3 of which were labeled as containing ground screenings not exceeding mill run, 2 being reported as straight rye middlings and 1 of these was found to contain ground grain screenings. Three of the samples represented guaranteed shipments and 5 different brands, 1 of which was not registered, the out-put of as many companies. Of those samples guaranteed no deficiencies were noted and they varied in their composition from 14.69 to 19.44, averaging 16.75 per cent. protein, from 3.30 to 4.18, averaging 3.59 per cent. fat and from 4.20 to 9.65, averaging 5.79 per cent. fiber. The retail selling values were from \$53 to \$75 and averaged \$64.20 a ton, compared with \$56 a ton for the rye middlings selected during 1919.

WHEAT AND RYE OFFALS.

Analyses on pages 133 to 136

This group of feeding stuffs is represented by 3 samples of 1 registered brand, representing guaranteed shipments shown to be composed of wheat mixed feed and rye middlings, with ground screenings not exceeding mill run, and in 1 of the samples rye middlings was not included. The guarantees were exceeded, as will be noted, and they varied in their composition from 16.13 to 18.81, averaging 17.86 per cent. protein, from 4.51 to 4.93, averaging 4.70 per cent. fat and from 6.91 to 8.55, averaging 7.97 per cent. fiber. The selling prices were from \$50 to \$60 and averaged \$54 a ton.

OAT BY-PRODUCTS.

Analyses on pages 135 to 136

Four samples of Oat Feed, representing 3 registered brands, found being offered for sale in the State, were received, all but 1 being from

guaranteed shipments. This material is the by-product from the milling of oats and consists for the most part of oat hulls with oat middlings and oat shorts. The variations in composition were from 6.88 to 9.00, averaging 8.13 per cent. protein, from 1.90 to 3.40, averaging 2.62 per cent. fat and from 20.77 to 27.88, averaging 24.38 per cent. fiber. The retail selling prices were from \$38 to \$42 and averaged \$39.75 a ton, compared with the retail selling price of \$37 a ton reported for one shipment noted during last year's inspection.

BARLEY OFFALS.

Analyses on pages 135 to 136

The barley offals found being disposed of during the year were represented by only 2 samples of barley mixed feed of one brand not registered and branded as "Whole Ground Barley Feed." They were found upon examination to be not whole ground barley but a by-product consisting of barley middlings and barley hulls, 1 of which was found deficient in fat. They averaged 12.97 per cent protein, 3.14 per cent. fat, 7.56 per cent. fiber and were offered for sale at \$3.23 a hundred pounds, or at the rate of \$64.60 a ton.

BUCKWHEAT OFFALS.

Analyses on pages 135 to 138

The buckwheat offals classified as middlings numbered 3 samples of different brands not registered and obtained from shipments not guaranteed, as this class of feeding stuffs are not required to be labeled with guaranteed analysis. They were found to range in composition from 24.44 to 29.94, averaging 27.48 per cent. protein, from 1.55 to 7.68, averaging 5.32 per cent. fat and from 5.70 to 12.90, averaging 8.59 per cent. fiber. The retail selling values were from \$50 to \$60 and averaged \$55 a ton, a slight increase of 20 cents a ton over the prevailing prices reported for the few samples of middlings obtained during the previous season's inspection.

There was only 1 sample of buckwheat offals received during the year, which was labeled as middlings and classified as buckwheat feed, because of its lower protein and higher fiber contents, containing a larger proportion of hulls than is usual for middlings. It was found

upon analysis to contain 19.81 per cent. protein, 5.43 per cent. fat and 12.75 per cent. fiber and was offered for sale at \$2.50 a hundred pounds, or at the rate of \$50 a ton.

ALFALFA MEAL.

Analyses on pages 137 to 138

There were 5 samples of alfalfa meal, representing as many brands, found being offered for sale in the State during the year, all but one of which being selected from guaranteed shipments. The shipment not guaranteed included a non-registered brand and one sample was found deficient in protein and higher in fiber than the remaining samples, indicating a larger proportion of stalks to leaves than normally. They varied in their analysis from 12.75 to 17.25, averaging 15.10 per cent. protein, from 1.05 to 2.10, averaging 1.62 per cent. fat and from 23.00 to 33.20, averaging 28.63 per cent. fiber. The retail selling prices reported were from \$55 to \$70, averaging \$62.20 a ton, compared with \$50.67 a ton reported as the average value for the 3 shipments sampled during 1919.

DRIED BEET PULP.

Analyses on pages 137 to 138

The residue of sugar beets obtained after the extraction of sugar and placed on the market as dried beet pulp included 10 samples and 3 brands selected from guaranteed shipments, registered by 1 company. Three samples were the straight residue of sugar beets dried after the extraction of sugar and in one of these molasses was found present. The remaining samples were shown to be composed of 90 per cent. dried beet pulp and 10 per cent. beet molasses, which did not vary in composition materially from those not containing molasses, except that the content of fat was usually higher. They ranged from 8.50 to 11.44, averaging 10.26 per cent. protein, from 0.45 to 1.95, averaging 0.92 per cent. fat and from 14.82 to 19.70, averaging 17.27 per cent. fiber. This product is valued largely for its succulent and carbohydrate characteristics and sold for from \$60 to \$70, averaging \$65.76 a ton, compared with the average price of \$56 a ton reported for the six shipments sampled during 1919.

MIXED FEED—PROPRIETARY AND MISCELLANEOUS.

More than half of the feeding stuffs, 704 samples, or 64 per cent. of the samples obtained for analysis during the year, were classified as mixed feeds, indicating that the majority of the feeding stuffs sold in the State, judging from the proportion of samples selected from shipments found being offered for sale, were of the mixed feed and proprietary brand name type. These grades or types were classified and tabulated for comparison into nine sub-divisions which, together with the number of samples included in each, were as follows: Proprietary Dairy Feed, 116; Proprietary Dairy Feed with Molasses, 118; Proprietary Stock, Horse and Mule Feed, 70; Proprietary Stock, Horse and Mule Feed with Molasses, 80; Proprietary Calf Meal, 17; Proprietary Swine Feed, 47; Proprietary Chop Feed, 17; Miscellaneous Chop Feed, 29; Miscellaneous Feed, 5, and Proprietary Poultry Feed: All Grain Scratch Feed, 123, and Mash Feed, 82. Of the total number of mixed feeds one-third were classified as poultry feeds, indicating the large proportion of feeds of this type being disposed of for poultry feeding purposes. There were 153 samples representing brands, which were not registered, however in some of these cases, which were mixtures of whole grains and not bearing distinctive brand names, registration and labeling were not required. All but 51 samples were secured from shipments labeled with the guaranteed analysis. There were 7 samples found deficient in both protein and fat, 24 in protein alone and 62 were deficient in fat alone. There were 153, or 13.9 per cent. of the mixed feeds representing brands which were not registered and in this group of mixed feeds, in which the fiber is required to be not in excess of 10 per cent. and which contained roughage materials such as oat hulls, clipped oat by-product, oat meal mill by-product, flax plant refuse and cottonseed hulls, there were 129 samples, or 11.7 per cent which exceeded the restricted amount of fiber. Variations from certified composition were noted in 165, or 15 per cent. of the mixed feeds and in 96, or 8.7 per cent of these feeds a small amount of whole weed seeds and in 7 samples a large amount of whole weed seeds were found present. There were in addition 30 samples wherein prohibited materials were included, such as rice hulls and peanut hulls, a few were mouldy and damaged and a few contained, in addition to the ingredients claimed, oat hulls, flax plant refuse and cottonseed hulls.

From time to time many requests have been received for the complete analysis of one or more of the several brands of mixed feeds

showing, in addition to the protein, fat and fiber, the percentages of nitrogen free extract, which, together with the percentage of fiber, equals the so-called carbohydrates and the amount of crude ash which these feeds contain. As these additional determinations are not made in the regular analysis of feeds, because of the extra expense involved and the fact that guarantees for nitrogen free extract and ash are not required, it has been impossible to include this information in the annual feeding stuffs reports. It is recognized, however, that this information is of importance to those more interested in the complete composition of mixed feeds and in order that a more complete analysis might be had for reference, samples of a large proportion of the Proprietary Dairy, Stock, Horse and Mule Feeds and Calf Meals were composited and determinations made for nitrogen free extract and ash. These results, together with the average analyses of the several mixed feeds involved, have been tabulated with the hope that the information may be of value and this table, showing the number of samples included for each brand, which, in many cases, as will be noted, include only one sample of a single brand, follows:

AVERAGE TOTAL ANALYSES OF MIXED FEED.

Brand Name.	Number of samples.	Moisture.	Protein.	Fat.	Fiber.	Nitrogen - free ex-tract.	Ash.
Proprietary Dairy Feed.							
		%	%	%	%	%	%
Acme Dairy Feed, -----	1	8.42	25.31	5.75	10.80	44.54	5.18
Acorn Dairy Feed, -----	1	8.07	21.25	5.64	8.07	52.12	4.85
Advanced Registry Dairy Feed, -----	1	9.62	23.69	5.73	8.80	46.91	5.25
Algraine Milk Feed, -----	1	9.27	17.44	4.02	6.92	57.41	4.94
Amco Dairy Feed, -----	2	11.95	26.27	4.37	10.61	40.69	6.11
Anchor Brand Dairy Feed, ----- (Dixie Mills Co.)	1	8.92	26.69	5.66	12.05	41.07	5.61
Anchor Brand Dairy Feed, ----- (Globe Elevator Co.)	2	13.38	13.23	2.48	9.78	53.78	7.35
Arcady Dairy Feed, -----	1	14.98	16.53	3.96	10.40	46.23	7.90
Badger Dairy Feed, -----	6	13.32	17.71	4.21	15.41	41.57	7.78
Badger Kramco, -----	1	8.12	21.88	5.33	10.87	48.77	5.03
Bako Milk Feed, -----	1	7.60	25.19	8.33	11.82	40.40	6.68
Best Cow Feed, -----	1	9.07	17.94	4.73	5.07	59.59	3.60
Big Q Dairy Ration, -----	5	8.60	22.53	4.91	10.20	48.33	5.43
Big Repeater Dairy Feed Ready Ration, -----	1	8.32	24.69	5.05	8.00	48.61	5.33
Blue Top Dairy Feed, -----	1	10.23	23.69	3.16	12.70	44.77	5.45
Bull Brand Dairy Ration, -----	2	8.57	23.78	6.13	10.93	54.58	5.17
Calumet Dairy Feed, -----	2	7.75	21.97	4.98	12.39	53.79	6.10
Camp's Cloverdale Dairy Ration, -----	3	9.13	21.38	4.58	8.61	47.88	4.18
Cloverleaf Mills Dairy Feed, -----	4	12.58	15.38	4.63	12.39	47.14	7.88
Cloverleaf Mills Dairy Ration, -----	4	12.25	17.77	4.29	11.32	45.41	8.96
Cream City Dairy Feed, -----	4	8.46	22.29	5.03	12.95	44.35	6.02
Curtiss Dairy Ration, -----	2	8.71	22.19	5.29	10.86	47.30	5.65
Dairy Feed (Seureman Milling Co.), -----	1	10.10	20.06	5.63	8.32	51.49	4.85
Dayton's Dairy Ration A, -----	1	8.90	21.44	4.86	9.60	50.40	4.80
Dewey's Ready Ration, -----	1	8.70	25.88	5.80	10.82	44.03	4.77
Dickinson Dairy Feed, -----	3	8.91	25.48	5.19	9.23	46.43	4.76
D. O. D. 30% Dairy Feed, -----	1	8.22	26.44	6.98	10.02	43.99	4.35
Domino Butterine Dairy Feed, -----	4	12.25	17.68	4.93	11.09	47.53	6.52
Domino Creamery Feed, -----	1	8.85	19.94	4.73	11.90	45.33	9.26
Domino Creamoline Dairy Ration, -----	1	9.40	23.13	5.24	10.55	46.19	5.49
Empire 20% Dairy Feed, -----	1	12.44	22.61	5.89	8.88	44.14	6.04
Eshelman's 16% Dairy Feed, -----	1	8.90	19.06	6.23	11.02	48.68	6.11
Eshelman's 20 Dairy Feed, -----	4	8.42	20.50	4.88	11.25	48.86	6.09
Eshelman's 24 Dairy Feed, -----	1	7.75	28.09	5.23	11.35	42.00	5.67
E. Z. Dairy Feed, -----	1	7.75	14.81	3.39	16.35	51.20	6.20
Fourx Dairy Ration, -----	2	8.45	22.19	4.47	11.72	49.18	3.99
Globe Creamery Feed, -----	2	9.63	25.60	5.04	11.08	43.65	5.00
Gold Flake Dairy Feed, -----	2	12.08	13.22	2.84	18.87	47.43	5.56
Happy Cow Feed (Dry), -----	2	9.18	28.13	5.29	11.78	40.17	5.45
Hi-Test Dairy Feed, -----	1	6.52	20.56	5.69	14.16	46.84	6.23
H. & S. Dairy Feed, -----	1	11.81	20.07	4.07	10.57	48.53	4.95
International Diamond Dairy Feed, -----	1	12.68	24.64	5.04	9.48	41.51	6.65
International Special Dairy Feed, -----	2	9.93	17.22	4.99	11.68	47.40	8.78
Kerco Dairy Feed, -----	1	10.52	18.75	5.16	5.93	55.41	4.23
Lake Shore Dairy Feed, -----	1	11.86	7.50	2.22	21.84	51.69	4.89
Lancaster Dairy Feed, -----	2	10.51	20.99	4.84	11.26	46.50	5.90
Larro Feed, -----	9	9.41	21.88	3.96	11.40	48.65	4.70
Larrowe's Big 6 Complete Dairy Feed, -----	1	11.00	22.63	5.28	7.02	48.92	5.15
Milk Feed with Molasses, -----	1	14.84	15.67	3.90	10.61	49.07	5.31
Milk Maker, -----	1	9.15	23.94	5.00	9.37	47.90	4.64
Moremilk Dairy Feed-Ready Ration, -----	1	9.25	26.25	5.13	9.07	44.87	5.43
National Dairy Feed, -----	2	8.98	24.13	5.07	9.55	47.05	5.22
Nutro Sweet Dairy Feed, -----	1	13.00	17.93	4.52	14.17	42.74	7.64
Pawnee Sweet Dairy Feed, -----	1	12.87	17.93	3.38	11.35	48.03	6.44
Peerless Milk Ration, -----	10	10.76	21.25	5.11	11.42	42.78	8.68
Perfection Dairy Feed, -----	1	11.20	21.65	5.68	10.61	44.49	6.37
Pillsbury's Dairy Feed, -----	1	8.05	20.44	5.20	10.82	49.21	6.28
Pioneer Dairy Ration, -----	1	10.07	26.81	6.00	9.15	42.04	5.93
Pritt's Alfalfa Cow Feed, -----	1	10.97	22.31	5.25	7.40	47.59	6.48
Protina Dairy Feed, -----	3	13.51	18.50	3.58	10.23	46.81	7.37
Purina Cow Chow Feed, -----	9	10.89	25.38	4.65	10.81	42.92	5.35
Purina Dairy Feed, -----	1	12.60	22.54	3.44	13.61	41.44	6.37
Quaker Dairy Feed with Molasses, -----	5	12.31	16.66	4.58	12.82	45.92	7.71
Read The Tag Dairy Feed, -----	1	10.75	19.69	4.55	9.42	51.08	4.51
Record Maker Dairy Feed, -----	1	12.81	25.11	5.23	9.77	40.94	6.14
Red Brand Ti-O-Ga Dairy Feed, -----	1	7.55	24.38	6.03	9.94	45.78	6.32

AVERAGE TOTAL ANALYSES OF MIXED FEED.—Continued.

Brand Name.	Number of samples.	Moisture.	Protein.	Fat.	Fiber.	Nitrogen - free tract.	Ash.
		%	%	%	%	%	%
Red Horn Dairy Feed, -----	1	8.07	23.94	5.45	9.20	48.06	5.28
Rob Roy Dairy Feed, -----	1	9.15	21.94	4.80	9.22	49.83	5.06
Sterling Dairy Ration, -----	1	6.97	27.50	5.93	9.60	45.22	4.78
Stevens 44 Dairy Ration, -----	3	8.05	26.27	5.43	10.96	42.46	6.83
Sucrene Dairy Feed, -----	6	11.89	17.39	4.64	9.96	47.86	8.16
Sunbeam Dairy Ration, -----	2	8.87	22.88	3.99	11.43	48.04	4.79
Sweet Clover Mills Ready Ration, -----	3	11.24	23.79	4.13	12.31	42.80	5.73
Sweet Cud Dairy Feed, -----	1	11.01	25.72	2.97	12.70	38.44	9.16
Unicorn Dairy Ration, -----	5	8.59	25.55	4.91	8.22	47.07	5.66
Union Grains, Ubiko, Biles Ready Dairy Ration, -----	5	8.60	25.34	6.03	9.29	44.67	6.06
Vitex Dairy Feed, -----	1	8.40	23.63	5.50	12.11	44.96	5.40
Will Pay Dairy Feed, -----	1	14.25	17.62	3.00	10.11	48.63	6.39
Your Choice Farmer Jones Brand Dairy Ration, -----	1	7.37	25.88	5.45	8.67	49.23	3.40
Proprietary Stock, Horse and Mule Feed.							
Aeme Stock Feed, -----	4	10.04	10.65	3.95	10.64	60.49	4.23
Badger Blue Top Horse Feed, -----	2	18.47	10.19	1.70	16.25	47.96	5.43
Badger Cream City Horse Feed, -----	2	11.00	10.02	1.96	13.33	57.01	6.68
Badger Fattener Feed, -----	1	15.36	11.75	1.70	16.76	46.84	7.59
Badger Mor-Pul Horse Feed, -----	1	13.27	11.51	2.20	15.95	49.65	7.42
Badger Pul-Mor Horse Feed, -----	1	16.17	11.29	1.89	17.22	46.84	6.59
Badger Stock Feed, -----	8	9.69	10.75	3.37	10.14	62.11	3.94
Best Horse Feed, -----	1	9.57	11.81	4.43	4.25	67.31	2.63
Buffalo Stock Feed, -----	1	9.72	10.31	3.35	10.40	63.03	3.19
College Stock Feed, -----	2	10.78	11.91	3.33	7.09	63.38	3.01
Dixie Horse & Mule Feed, -----	1	16.11	10.68	2.51	8.85	58.34	3.51
Domino Horse Feed with Alfalfa, -----	1	16.42	10.33	1.93	14.86	51.68	5.38
Domino Vim-O-Lene Horse Feed, -----	1	16.64	10.44	3.14	6.58	59.96	3.24
Emerald Horse Feed, -----	3	15.24	9.85	2.21	11.20	56.61	4.89
Empire Feed, -----	1	9.42	10.44	4.25	6.42	66.07	3.40
Eshelman's 60 Horse Feed, -----	1	14.79	10.98	2.74	10.15	57.51	3.83
Eshelman's 85 Horse Feed, -----	1	16.87	11.59	3.18	7.52	57.64	3.20
Eshelman's Stock Feed, -----	2	10.67	13.10	3.83	10.01	58.59	3.80
Faramel Horse Feed, -----	1	15.81	11.28	4.00	6.42	57.93	4.56
Flag Horse & Mule Feed, -----	2	17.38	9.53	1.35	13.00	52.12	6.62
Good Luck Feed with Molasses, -----	1	16.61	11.79	1.53	13.49	51.17	5.41
Grandin's Sock Food, -----	1	7.60	10.38	5.70	11.07	60.40	4.85
Green Cross Horses Mixed Feed with Molasses, -----	7	15.40	10.39	2.43	12.14	54.82	4.82
Hamlin's Quality Feed, -----	7	16.62	9.67	1.82	12.33	53.46	6.05
H. & S. Horse, Mule & Dairy Feed, -----	1	15.39	12.87	1.52	14.58	48.14	7.50
Harvest Horse Feed, -----	1	15.55	11.82	1.70	14.44	50.37	6.12
Hobby Horse Feed, -----	1	17.27	10.25	1.19	11.05	54.90	5.34
Iowa Stock Feed, -----	2	10.03	12.76	4.56	10.61	57.89	4.15
Jem Stock Feed, -----	1	11.75	9.81	3.48	8.82	63.10	3.04
Lancaster Horse Feed, -----	2	15.99	10.20	2.94	10.08	57.11	3.68
Lancaster Molasses Steer Feed, -----	1	15.60	10.93	1.95	8.10	57.88	5.54
Mihimico Stock Feed, -----	1	9.25	13.06	4.17	7.80	62.07	3.65
National Stock Feed, -----	1	9.27	10.94	3.03	9.32	62.54	4.90
New England Stock Feed, -----	1	10.35	10.19	3.90	8.12	58.96	8.48
No. 1 Special Horse Feed, -----	1	9.70	9.94	4.03	4.32	69.76	2.25
Nutro Stock Feed, -----	1	8.87	10.81	4.13	14.05	56.56	5.58
Nutro Sweet Feed, -----	2	14.99	8.58	1.64	12.28	56.50	6.01
Park & Pollard Stock Feed, -----	2	11.21	8.23	2.81	9.07	63.98	4.65
Pawnee Stock Feed, -----	4	9.10	12.85	4.18	9.97	57.50	6.40
Perfection Horse Feed, -----	1	12.12	12.46	2.50	12.78	55.76	4.38
Pep Horse Feed, -----	2	13.28	10.83	3.21	9.72	60.53	2.43
Portage Stock Feed, -----	4	9.16	10.19	3.09	11.64	61.83	4.09
Prairie Stock Feed, -----	2	10.12	10.32	3.53	11.27	60.95	3.81
Pritt's Alfalfa Horse Feed, -----	1	9.37	20.94	5.43	9.05	50.87	4.34
Purina Steer Fatena Feed with Charcoal, -----	1	17.03	12.71	1.55	10.69	51.40	6.62
Record Maker Horse Feed, -----	2	13.14	10.98	2.69	10.98	57.95	4.26
Rival Horse Feed, -----	1	17.85	10.39	1.65	14.76	50.53	4.77
Schumacher Feed, -----	9	8.51	12.43	3.71	11.13	59.31	4.91
Stag Stock Feed, -----	2	10.20	11.91	4.36	10.22	59.49	3.82
Stock Feed (Hales & Hunter Co.), -----	1	10.15	14.31	4.60	6.97	60.37	3.60

AVERAGE TOTAL ANALYSES OF MIXED FEED.—Concluded.

Brand Name.	Name of samples.	Moisture.	Protein.	Fat.	Fiber.	Nitrogen - free extract.	Ash.
		%	%	%	%	%	%
Stra-Lad Horse Feed, -----	1	12.38	13.23	3.94	9.30	57.38	3.77
Sucrene Horse & Mule Feed, -----	1	15.00	9.34	2.53	11.98	56.76	4.39
Superior Horse Chop, -----	1	10.75	13.75	3.60	4.42	64.43	3.05
Tip Top Horse Feed with Alfalfa, -----	1	17.66	10.87	2.26	12.67	50.88	5.66
True Value Stock Feed, -----	2	8.61	12.53	3.30	8.62	61.58	5.36
Ubiko Stock Feed, -----	1	7.75	11.25	3.35	10.37	63.13	4.15
V-C Home Mixture Horse & Mule Feed, --	1	18.79	9.87	2.72	15.48	49.49	3.65
Victor Feed, -----	1	10.15	10.00	4.23	9.65	62.37	3.60
Victory Horse Feed, -----	1	17.17	10.28	1.93	11.46	54.61	4.55
Vitality Horse Feed, -----	2	17.39	10.63	1.90	12.22	50.71	7.15
Proprietary Calf Meal.							
B. & F. Calf Meal, -----	1	11.25	33.44	4.03	5.55	42.05	3.68
Blatchford's Calf Meal, -----	2	10.56	25.03	5.88	6.87	46.33	5.33
Clover Leaf Mills Calf Meal, -----	2	9.72	25.32	5.30	5.42	49.24	5.00
Krause Calf Meal, -----	1	10.10	31.13	4.93	4.95	44.85	4.04
Pratt's Calf Meal, -----	1	8.82	30.88	4.38	5.16	46.02	4.74
Purina Calf Chow Feed, -----	3	11.18	28.71	3.79	3.34	49.37	3.61
Red Horn Calf Meal, -----	2	11.36	18.44	4.33	3.17	58.96	3.74
Rydes Cream Calf Meal, -----	1	12.57	23.31	4.45	5.70	49.32	4.65

PROPRIETARY DAIRY FEED.

Analyses on pages 139 to 172

The 116 samples, classified as proprietary dairy feed, included those of the more concentrated type representing 56 brands, the output of 40 companies, all but 4 of which being obtained from guaranteed shipments. There were 17 samples representing 11 brands which were found being offered for sale without being properly registered as required. They were guaranteed to contain from 12 to 30 per cent. of protein and were found upon analysis to contain from 13.63 to 29.31, averaging 22.60 per cent. protein, from 3.39 to 9.03, averaging 5.25 per cent. fat and from 3.55 to 16.35, averaging 9.99 per cent. fiber. Six of the samples were found deficient in protein and 12 in fat. There were 11 samples containing oat hulls, oat meal mill by-product or clipped oat by-product in which the amount of fiber is restricted to 10 per cent., which were found upon analysis to exceed this amount, running as high as 16.35 per cent. There were 21 samples wherein variations from the certified compositions were noted, 1 sample contained a small amount of whole weed seeds and 2 contained rice hulls. The retail selling prices reported as prevailing for this class of feeds at the time of sampling ranged from \$45 to \$95 and averaged \$75.53 a ton. The prices for this class of feeds selected during 1919 were from \$55 to \$85 and averaged \$69.64 a ton.

PROPRIETARY DAIRY FEED WITH MOLASSES.

Analyses on pages 171 to 202

The mixed feeds of the higher protein type, containing molasses as an ingredient and known as "Molasses Feeds," were classified as Proprietary Dairy Feeds with Molasses and numbered 118 samples, selected from shipments showing guaranteed analyses including 47 different brands, the output of 24 companies. There were 17 brands, which were not registered, some of which were not accepted when submitted because of their non-conformity with the requirements. In the large table showing analytical results a few brands are indicated as not being registered where those having the same brand name had been registered, which is explained by the fact of their having been guaranteed to show more than 10 per cent. of fiber, the amount permitted in such feeds which contain oat hulls, clipped oat by-product, oat meal mill by-product or flax plant refuse as ingredients. They were guaranteed to contain from 11 to 25 per cent. protein and they

varied in their composition upon analysis from 7.50 to 29.06, averaging 20.20 per cent. protein, from 1.62 to 8.33, averaging 4.57 per cent. fat and from 6.92 to 21.84, averaging 11.37 per cent. fiber. There were 4 samples found deficient in both protein and fat, 7 in protein alone and 11 in fat alone. The samples which included such materials as oat hulls, oat meal mill by-product, clipped oat by-product, flax plant refuse and cottonseed hulls, in which the fiber is restricted to 10 per cent. and in which this amount of fiber was exceeded, numbered 53, the highest fiber reaching 21.84 per cent., or twice as much as permitted. There were 10 samples of brands where variations from the certified compositions occurred and 37 in which small amounts of whole weed seeds were found present. There was in addition also 1 sample in which a small amount of rice hulls was noted, 3 contained peanut hulls and skins and 6, which were found to include flax plant refuse, which product was not indicated as being present in the certified compositions. The variations from the compositions included the absence of certain claimed ingredients and the addition of other materials not claimed, such as those already noted, and ground cocoa shells, malt sprouts, brewers' dried grains, screenings, oil cake meal and oat hulls. The retail selling prices showed a wide variation and ranged from \$50 to \$90, averaging \$69.73 a ton, compared with \$61.91 a ton, the average retail value for this class of feeds received during 1919.

PROPRIETARY STOCK, HORSE AND MULE FEED.

Analyses on pages 201 to 220

There were 70 samples of mixed feed received for analysis of the less concentrated protein type than of the Dairy Feed class, which, because of their character and the brand name, indicated that they were intended largely for stock, horse and mule feeding, which were classified as such. All but one were selected from guaranteed shipments and included 32 different brands, the output of 26 companies. Only about half of these brands were registered, as will be noted, and in some of these cases registrations were submitted but could not be accepted because of their non-conformity with the requirements and, therefore, where the results of analyses show violations to have occurred they were sold contrary to requirements. There were 40 samples, which, upon analysis, were found to exceed 10 per cent. of fiber, the amount permitted, as they included such by-products as oat hulls, oat meal mill by-product, clipped oat by-product or cottonseed hulls as ingredients. In many of these cases the fiber was not greatly in excess of 10 per cent., as will be noted, however there were 4 samples in which the content of fiber was found to be from 4 to 7 per cent. in excess of the amount permitted. There were 19 cases where varia-

tions from certified compositions were noted, 3 which contained a small amount of whole weed seeds and 2 which contained small amounts of rice hulls and peanut hulls. They were guaranteed to contain from 7 to 14 per cent. protein and they varied in their composition upon analysis from 7.50 to 20.94, averaging 11.63 per cent. protein, from 2.55 to 7.51, averaging 3.95 per cent. fat and from 4.25 to 16.86, averaging 10.02 per cent. fiber. One sample was found deficient in both protein and fat, 1 in protein alone and 6 contained less fat than guaranteed. The retail selling prices were from \$48 to \$85 and averaged \$68.26 a ton, compared with \$62.32 reported for this class of feeds examined during last year.

PROPRIETARY STOCK, HORSE AND MULE FEED WITH MOLASSES.

Analyses on pages 219 to 230

The mixed feeds sold largely for stock, horse and mule feeding, similar in character to the foregoing class but containing molasses as an ingredient, are represented by 80 samples, selected from guaranteed shipments, 48 different brands placed on the market by 27 manufacturing firms. Nine of these brands were not registered, as required, and consequently were sold contrary to requirements, especially so where the content of fiber exceeded 10 per cent. in those feeds containing restricted by-products. In a number of such cases, as will be noted, the content of fiber exceeded the amount permitted and in 5 samples of these feeds, which contained excessive amounts of oat hulls, or oat meal mill by-product and flax plant refuse, the fiber exceeded 13 per cent. and 3 others contained from 15.48 to 18.29 per cent. fiber. Four samples were deficient in protein and 7 in fat. They were guaranteed to contain from 8 to 14 per cent. protein and upon analysis showed variations of from 7.14 to 13.23 and averaged 10.34 per cent. protein, from 1.04 to 4.10, averaging 2.27 per cent. fat and from 6.42 to 18.29, averaging 11.73 per cent. fiber. The retail selling values were from \$47 to \$90 and averaged \$69.55 a ton, exceeding the previous season's average value of \$60.50 a ton for this type of mixed feed.

PROPRIETARY CALF MEAL.

Analyses on pages 229 to 234

The mixed feeds, which were of a concentrated type and guaranteed to contain from 18 to 34 per cent. protein and branded as being essentially adapted for calf feeding, included 17 samples and 11 brands, registered, with one exception, by as many companies. They were all selected from shipments found to be labeled with the guaranteed analysis, as required. There were 7 samples in which variations from

their certified compositions were noted where certain ingredients were not found present, as claimed, which, in most cases, was locust bean meal. One sample was found deficient in both protein and fat, 2 in protein alone and 5 in fat alone. They ranged in composition from 16.75 to 33.44, averaging 25.55 per cent. protein, from 3.60 to 8.58, averaging 4.99 per cent. fat and from 1.67 to 7.72, averaging 4.91 per cent. fiber. The retail selling values for this type of mixed feed were higher than for any other class, ranging from \$100 to \$140, averaging \$116.40 a ton. The Calf Meals examined during the previous year showed an average value of \$111.40 a ton.

PROPRIETARY SWINE FEED.

Analyses on pages 235 to 248

Those mixed feeds which, judging from their character and method of branding, were intended especially for swine feeding, included 47 samples, all but one being selected from guaranteed shipments, representing 23 different brands, the output of 20 firms, 4 brands not being registered. These feeds were guaranteed to contain from 9 to 21 per cent. protein and contained, upon analysis, from 13.94 to 25.25 and averaged 18.52 per cent. protein, from 2.83 to 10.06, averaging 4.96 per cent. fat and the fiber varied from 3.47 to 13.45 and averaged 7 per cent. One sample was found to be deficient in both protein and fat, 1 in protein alone and 7 in fat alone and there were 20 samples in which variations from the certified compositions were noted. Those feeds in which ingredients not declared were found present included, 3 containing flax plant refuse, 2 rice hulls, 2 both peanut hulls and rice hulls and 1 peanut hulls. Two of the samples, which contained materials, where the fiber is restricted to 10 per cent., exceeded this amount, as will be noted. The selling prices were from \$63 to \$140 and averaged \$85.81 a ton, also being in excess of the Swine Feeds examined last year, which averaged \$74.36 a ton.

PROPRIETARY CHOP FEED.

Analyses on pages 247 to 250

The mixed feeds classified as proprietary chop feed included 17 samples, representing 5 different brands, selected from guaranteed shipments, put out by 3 companies, all of which upon analysis were found to meet their guarantees. They were mostly mixtures of whole grains with oat meal mill by-products and were essentially correct in their compositions, as compared with certified list of ingredients, except in 2 samples in which barley was not detected. They varied in their composition from 9 to 12.38, averaging 10.24 per cent. protein, from 2.79 to 4.05, averaging 3.54 per cent. fat and from 3.65 to

11.80, averaging 8.20 per cent. fiber. The selling prices ranged from \$50 to \$90, averaging \$74.18 a ton. This class of feeds, as reported for last year's inspection season, averaged \$65.31 a ton.

MISCELLANEOUS CHOP FEED.

Analyses on pages 251 to 254

The feeding stuffs included in this classification were those not having distinctive trade or brand names and which consisted for the most part of ground grains or mixtures of ground grains and numbered 29 samples. Only a few were registered and guaranteed, as in most of these cases this was not required by the law. They included 1 sample of corn chop, analyzing 9.56 protein, 3.63 fat and 2.25 per cent. fiber, selling at \$4.60 a hundred pounds; 7 of oat chop, averaging 13.01 protein, 4.90 fat and 9.96 per cent. fiber, selling at \$3.61 a hundred pounds; 1 of barley chop, in which oats were found present, analyzing 14.56 protein, 3.67 fat and 9.93 per cent. fiber, selling at \$77 a ton; 12 of corn and oats chop, averaging 10.88 protein, 4.18 fat and 5.26 per cent. fiber, the retail selling price averaging \$3.64 a hundred pounds. There were 8 other mixtures of whole grains with such other by-products as oat hulls, hominy feed, corn gluten feed, alfalfa meal and ground grain screenings, which did not have distinctive brand names, which varied somewhat in their compositions, as will be noted by referring to the large table which follows.

MISCELLANEOUS FEED.

Analyses on pages 253 to 256

There were 5 samples classified as miscellaneous, which included corn germ oil meal, 2 feeds having proprietary brand names intended for lamb and rabbit feeding, semi-solid buttermilk and buckwheat groats. They were all, with one exception, selected from guaranteed shipments and their guarantees were sustained upon analysis except one sample, which, however, was within the tolerance permitted by the law. In the 2 proprietary branded feeds, locust bean meal, claimed as one of the ingredients, was not found present in the mixtures.

PROPRIETARY POULTRY FEED.

Analyses on pages 255 to 296

The mixed feeds examined during the year and intended for poultry feeding included 205 samples. Of this number 123 were classified as whole grain Scratch Feeds and 82 as Mash Feeds. The former group of poultry feed, for the most part, were selected from guaranteed shipments and included 98 different brands, the output of 53

companies. They were composed of mixtures of whole grains in various proportions, many including in addition grit and charcoal. They varied in their chemical analyses from 8.63 to 15.00, averaging 10.93 per cent. protein, from 1.70 to 4.90, averaging 3.30 per cent. fat and from 1.22 to 4.67, averaging 2.73 per cent. fiber. Five samples of those guaranteed were found deficient in fat. There were 49 samples in which variations from their compositions were noted and there were 45 which contained small amounts and 7 which contained large amounts, in one case as high as 8 per cent. of whole weed seeds. A number of these brands were not registered and those shown to contain "Miscellaneous Seeds," and in which weed seeds were found present, were being sold in violation of the law. A few not having distinctive brand names and composed entirely of whole grains were not required to be registered nor guaranteed. There was a wide range in the retail selling prices of the whole grain Scratch Feeds of from \$62 to \$125, averaging \$90.69 a ton, compared with the average of \$84.80 a ton noted for this class of feeds examined during the previous season.

The proprietary mixed feeds classified as Mash Feeds and composed of mixtures of whole grains with by-product materials numbered 82 samples, 56 different brands, 10 of which were not registered, the output of 41 companies, which, with the exception of 4 samples, were selected from shipments showing guaranteed analysis. There was considerable variation in their character and composition, the majority being of the more concentrated type, having guarantees of from 9.00 to 20.00 per cent. protein. The variations in analyses were from 11.25 to 25.81, averaging 19.17 per cent. protein, from 2.38 to 8.25, averaging 4.96 per cent. fat and from 1.15 to 12.52, averaging 7.05 per cent. fiber. Of those guaranteed 3 were classed as being deficient in protein and 5 in fat. There were 23 in which variations from certified compositions were noted, 3 which contained small amounts of whole weed seeds, 2 which were found upon examination to be musty and mouldy and 1 contained a trace of rice hulls. This class of mash feeds, as will be noted, were mixtures of many varieties of grains and by-product feeding materials. The retail selling prices also showed a wide range of from \$64 to \$142, averaging \$91.80 a ton, also in excess of \$85.40, the average retail value for the mash feeds examined during 1919.

ANIMAL BY-PRODUCTS.

Analyses on pages 297 to 302

The 32 animal by-product feeding stuffs received and analyzed during the year included 1 sample of blood meal, which analyzed 84.81

per cent. protein, 0.99 per cent. fat and sold at retail for \$7.50 a hundred pounds, and 20 samples of meat and bone scrap, all selected from shipments showing guarantees including 13 brands, the output of 12 firms, which varied in their analyses from 38.63 to 58.94, averaging 49.05 per cent. protein, from 6.50 to 17.41, averaging 11.90 per cent. fat and from 1.07 to 3.35, averaging 1.97 per cent. fiber. The deficiencies in the meat and bone scrap products included 3 in protein and 1 in fat and many of them, as will be noted, considerably exceeded their protein and fat guarantees. The majority of them included bone and in one sample a trace of glass and in 2 a small amount of peanut skins, probably accidentally included, were noted. There were also 2 samples of fish scrap, averaging 38.85 protein, 5.45 fat and 3.80 per cent. fiber, selling at \$5.20 a hundred pounds. The animal by-product, known as tankage, included 9 samples, selected from shipments showing guaranteed analyses and included 7 registered brands. Two samples were found deficient in both protein and fat, 1 in protein alone and 2 in fat alone. They were guaranteed to contain from 40.00 to 60.00 per cent. protein and analyzed from 26.81 to 66.06, averaging 47.44 per cent. protein, from 5.61 to 16.05, averaging 11.53 per cent. fat and 1.50 to 6.05, averaging 2.90 per cent. fiber. One sample was found to contain a large amount of fibrous vegetable residue. The retail selling prices were from \$100 to \$144, averaging \$119.20 a ton, compared with the average retail price noted for 13 samples examined during last year of \$101.15 a ton.

CONDIMENTAL STOCK AND POULTRY FOOD.

Analyses on pages 301 to 302

There were 2 samples received and analyzed, which were composed of feed materials possessing nutritive value combined with those supposed to have medicinal properties and included such by-products as wheat bran and middlings, linseed oil meal, potassium nitrate, sodium sulphate, ginger, gentian, foenugreek, pepper, sulphur, salt and charcoal. Both samples represented brands selected from guaranteed shipments and 1 was deficient in fat. They contained 13.81 and 16.75 per cent. of protein and sold for from 10 cents a pound to 20 cents a pound. In 1 sample the ingredients, locust bean, ginger and sugar, which were claimed, were not found present.

GUARANTEES AND DEFICIENCIES.

Those samples which, upon analysis, failed to meet their guarantees in protein and fat were classified as being deficient where the protein was found to be 1 per cent. or more and the fat 0.50 per cent. or more below these respective guarantees. Of the 1,100 samples received and analyzed during the year 1,014 were guaranteed for protein and fat and of this number 145, or 14.3 per cent. were deficient in either protein or fat or both of these forms of food nutrients. There were 9, or 0.88 per cent. of the samples which were deficient in both protein and fat, 55, or 5.42 per cent. deficient in protein alone and 81, or 7.98 per cent. were deficient in fat alone. There were, therefore, 64, or 6.31 per cent. of the samples in which the protein was 1 per cent. or more below and 90, or 8.87 per cent. where the fat was 0.50 per cent. or more below the guarantees claimed. Compared with the deficiencies noted for the samples analyzed during 1919 there was a larger proportion of total deficiencies found in the samples examined during the year covered by this report, an increase in the number deficient in both protein and fat, a marked increase in those deficient in protein alone, a decrease in those deficient in fat alone, an increase in the proportion of the total number deficient in protein and a decrease in the total number deficient in fat. There were, as will be noted by referring to the large table showing the results of analyses in detail, many "overages" and in a number of these cases the deficiencies in one food nutrient were compensated for to a large extent by an overage in the remaining constituent. The greatest proportion of deficient samples were those of the Proprietary Calf Meals where nearly one-half of the samples contained less protein and fat than guaranteed followed by the samples of Proprietary Swine Feeds with 19, the Proprietary Dairy Feeds with Molasses with 18, the Proprietary Dairy Feeds with 16, the Proprietary Stock, Horse and Mule Feeds with and without Molasses with approximately 12 and the Poultry Mash Feeds with 10 per cent. of the total number of each group where deficiencies occurred. More than one-half, 704, or 64 per cent. of the total samples were of the Proprietary and Miscellaneous Mixed Feed type and 298, or 42.4 per cent. of them were, upon microscopical examination, found to vary in their compositions or lists of ingredients from the claims made. There were 129, or 11.7 per cent. of the samples which contained such by-products as oat hulls, clipped oat by-product, oat meal mill by-product, cottonseed hulls and flax plant refuse where the content of fiber is restricted to 10 per cent., in which the fiber was found upon analysis to materially exceed the amount permitted. The more marked variations of this character included 11

Dairy Feeds reaching as high as 16.35 per cent. fiber, 53 Dairy Feeds with Molasses reaching a fiber content of 21.84 per cent., 40 samples of Stock, Horse and Mule Feeds with a maximum of 16.86 per cent. fiber and 16 Stock, Horse and Mule Feeds with Molasses exceeding the amount permitted, reaching 18.29 per cent. fiber. In 96, or 8.7 per cent., of the Mixed Feeds, small amounts of whole weed seeds were found present, most frequently in the Dairy Feeds with Molasses and whole grain Scratch Feeds and 7 of the whole grain Scratch Feeds contained large amounts of whole weed seeds. There were 30 samples of mixed feed which contained such prohibited materials as rice hulls and peanut hulls, 4 were found to be mouldy and damaged and a number of others contained flax plant refuse and oat hulls, which were not shown to be present in their certified compositions. This number of deficiencies, excessive contents of fiber and variations from the list of ingredients found upon sacks or attached cards, which in many cases were not serious, indicates that much improvement can be made in correctly guaranteeing and showing statements of composition. The following table (No. 1) shows the classification according to the kinds or grades of the feeding stuffs received and analyzed, the number of samples of each, the number guaranteed and the number deficient in both protein and fat, in protein alone and in fat alone.

TABLE I.—CLASSIFICATION OF SAMPLES ANALYZED AND SUMMARY OF DEFICIENCIES.

Name of Feeding Stuffs.	Number of samples analyzed.	Number of samples guaranteed.	Deficient in protein and fat.	Deficient in protein alone.	Deficient in fat alone.
Cottonseed meal, -----	23	23	-----	2	1
Cottonseed feed, -----	69	68	-----	9	1
Linseed oil meal, O. P., -----	37	36	-----	8	-----
Distillers' dried grains (largely from corn), -----	1	1	-----	-----	-----
Distillers' and yeast dried grains, -----	3	3	-----	-----	1
Brewers' dried grains, -----	9	9	-----	5	4
Corn gluten meal, -----	1	1	-----	-----	-----
Corn gluten feed, -----	23	22	-----	-----	1
Hominy feed, -----	11	11	-----	-----	1
Corn bran, -----	2	2	-----	-----	-----
Corn feed meal, -----	3	3	-----	-----	-----
Wheat bran, -----	63	54	-----	2	1
Mixed feed: wheat by-products, -----	9	7	-----	-----	-----
Standard wheat middlings, -----	14	14	-----	-----	-----
Wheat shorts, -----	27	16	-----	-----	1
Wheat flour middlings, -----	21	21	-----	-----	1
Low grade flour (wheat), -----	13	11	-----	-----	2
Rye middlings, -----	5	3	-----	-----	-----
Wheat and rye offals, -----	3	3	-----	-----	-----
Oat feed, -----	4	3	-----	-----	-----
Barley mixed feed, -----	2	2	-----	-----	1
Buckwheat middlings, -----	3	-----	-----	-----	-----
Buckwheat feed, -----	1	-----	-----	-----	-----
Alfalfa meal, -----	5	4	-----	1	-----
Dried beet pulp, -----	10	10	-----	-----	-----
Proprietary dairy feed, -----	116	112	-----	6	12
Proprietary dairy feed with molasses, -----	118	118	4	7	11
Proprietary stock, horse and mule feed, -----	70	69	1	1	6
Proprietary stock, horse and mule feed with molasses, -----	80	80	-----	4	7
Proprietary calf meal, -----	17	17	1	2	5
Proprietary swine feed, -----	47	46	1	1	7
Proprietary chop feed, -----	17	17	-----	-----	3
Miscellaneous chop feed, -----	29	4	-----	-----	1
Miscellaneous feed, -----	5	4	-----	-----	-----
Proprietary poultry feed:					
Scratch feed, -----	123	108	-----	-----	5
Mash feed, -----	82	78	-----	3	5
Animal by-products:					
Blood meal, -----	1	1	-----	-----	-----
Meat and bone scrap, -----	20	20	-----	3	1
Fish scrap, -----	2	2	-----	-----	-----
Tankage, -----	9	9	2	1	2
Condimental stock and poultry food, -----	2	2	-----	-----	1
Total, -----	1,100	1,014	9	55	81

AVERAGE ANALYSES AND RETAIL PRICES.

An average of the analyses and of the retail selling prices prevailing at the time the samples were selected for each class or kind of feeding stuffs, as classified according to the preceding table, has been estimated for the purpose of comparison and these values have been tabulated and are included in Table II, which follows. Where only a small number of samples are involved or a few shipments represented the average composition of samples of certain brands as well as the retail selling prices cannot be claimed to be truly representative in such cases. This is especially true in the case of retail selling values because the prices reported were those prevailing at the time the several shipments were sampled during the year and include prices which fluctuated from week to week or from month to month. They are of interest, however, in comparing the retail selling values with the average prices obtained for the same types or brands of feeds for preceding years as shown in previous reports as well as those which will be included in subsequent publications. The average results of analyses of like kinds and brands of feeds are an index of the character of such feeds as found being offered for sale in the State and show to what extent their guarantees are sustained in individual cases as well as giving an approximate idea of the chemical composition of the several classes and brands represented by the samples examined during the year. Variations in the composition of standard by-products and in the proportion of grains and by-products used in mixed feeds always occur within reasonable limits even when the same processes of manufacturing and the same formulas for mixing are employed. Each single sack of feed should be expected to be found upon analysis to meet the guarantees given, however variations in composition of by-products and in mixing these by-products and grains together will result in corresponding variations in composition or fluctuations in analyses. Therefore, a sample from one sack may perhaps fail, upon analysis, to meet its guarantees and not be entirely representative of the class or brands of feed being offered for sale, however where a number of samples are involved in estimating the average composition of a certain kind or brand, such results may be claimed to represent the material being offered to the trade. It will be of interest, therefore, to study the large table, which follows, showing the results of analysis of each sample of feeding stuffs examined during the year as well as the averages of such results where two or more samples are included, which will indicate whether or not such feeds are meeting the claims made by the manufacturers and the

frequency with which the guarantees are sustained. In the preceding Discussion of the result of Inspection for each class of feeds a comparison has been made of the average prices with those estimated as prevailing for the preceding year's inspection work. It will be noted that the average retail selling prices for the feeds included in this report were, as a rule, higher than those reported for 1919. Considering the average analyses of the several classes of feeds there were no marked differences compared with the averages noted for the feeds examined last year and in the case of the mixed feeds the average results show but slight variations. In the case of the retail selling values for the mixed feeds the averages estimated exceeded those for the same classes of feeds received during 1919 and these classes of mixed feeds, together with the average increase in selling prices over the average retail values reported for the same classes of feeds for 1919, were as follows: Proprietary Dairy Feed, \$5.89; Proprietary Dairy Feed with Molasses, \$7.82; Proprietary Stock, Horse and Mule Feed, \$5.94; Proprietary Stock, Horse and Mule Feed with Molasses, \$9.05; Proprietary Calf Meal, \$5.00; Proprietary Swine Feed, \$11.45; Proprietary Chop Feed, \$8.87; Proprietary Whole Grain Scratch Feed, \$5.89; Proprietary Poultry Mash Feed, \$6.40; Meat and Bone Scrap, \$14.85. A comparison of the average prices, together with the average compositions of the several classes and kinds of feeding stuffs analyzed and shown in the following table, will be of interest.

TABLE II.—AVERAGE ANALYSES AND RETAIL PRICES.

Name of Feeding Stuffs.	Number of samples analyzed.	Protein	Fat	Fiber	Price per ton
		%	%	%	\$
Cottonseed meal, -----	23	42.34	7.57	10.18	85 13
Cottonseed feed, -----	69	36.71	6.70	13.20	80 07
Linseed oil meal, O. P., -----	37	32.14	6.83	7.78	85 92
Disillers' dried grains (largely from corn), -----	1	41.44	9.00	13.10	60 00
Distillers' and yeast dried grains, -----	3	19.06	6.65	17.81	60 60
Brewers' dried grains, -----	9	24.09	6.20	15.22	69 00
Corn gluten meal, -----	1	42.50	1.98	1.75	90 00
Corn gluten feed, -----	23	26.45	3.03	6.87	74 48
Hominy feed, -----	11	11.56	6.79	4.27	69 46
Corn bran, -----	2	12.94	7.94	8.52	67 00
Corn feed meal, -----	3	9.54	4.14	2.21	69 67
Wheat bran, -----	63	16.32	4.68	9.31	59 02
Mixed feed: wheat by-products, -----	9	17.38	5.19	7.99	57 00
Standard wheat middlings, -----	14	16.95	5.19	8.34	65 14
Wheat shorts, -----	27	16.89	4.88	5.44	69 80
Wheat flour middlings, -----	21	17.53	4.60	5.81	72 51
Low grade flour (wheat), -----	13	17.93	3.91	2.46	79 00
Rye middlings, -----	5	16.75	3.59	5.79	64 20
Wheat and rye offals, -----	3	17.86	4.70	7.97	54 00
Oat feed, -----	4	8.13	2.62	24.38	39 75
Barley mixed feed, -----	2	12.97	3.14	7.56	64 60
Buckwheat middlings, -----	3	27.48	5.32	8.59	55 60
Buckwheat feed, -----	1	19.81	5.43	12.75	50 00
Alfalfa meal, -----	5	15.10	1.62	28.63	62 20
Dried beet pulp, -----	10	10.26	0.92	17.27	65 76
Proprietary dairy feed, -----	116	22.60	5.25	9.99	75 53
Proprietary dairy feed with molasses, -----	118	20.20	4.57	11.37	69 73
Proprietary stock, horse and mule feed, -----	70	11.63	3.95	10.02	68 26
Proprietary stock, horse and mule feed with molasses, -----	80	10.34	2.27	11.73	69 55
Proprietary calf meal, -----	17	25.55	4.99	4.91	116 49
Proprietary swine feed, -----	47	18.52	4.96	7.00	85 81
Proprietary chop feed, -----	17	10.24	3.54	8.20	74 18
Proprietary poultry feed:					
Scratch feed, -----	123	10.93	3.30	2.73	90.69
Mash feed, -----	82	19.17	4.96	7.05	91 80
Animal by-products:					
Blood meal, -----	1	84.81	0.99	0.69	150 60
Meat and bone scrap, -----	20	49.05	11.90	1.97	127.00
Fish scrap, -----	2	38.85	5.45	3.80	104 00
Tankage, -----	9	47.44	11.53	2.90	119 20
Condimental stock and poultry food, -----	2	15.28	3.80	3.98	-----

ANALYSES OF SPECIAL SAMPLES OF FEEDING STUFFS RECEIVED FROM MANUFACTURERS AND PURCHASERS LOCATED IN PENNSYLVANIA.

In accordance with the provisions made for the analysis of special samples of feeding stuffs, 278 such samples, together with the fee of one dollar (\$1.00), which is required to be charged, were received from manufacturers and purchasers located in Pennsylvania and analyzed. Reports of the results obtained, together with receipts for the fees, were submitted to the sender as soon as possible after the completion of the analyses, together with answers to inquiries regarding labeling and registering as required. These samples were analyzed principally for the purpose of determining whether or not claimed guarantees would be sustained and in order to arrive at proper guarantees to be used in placing new brands on the market. As these results were in the nature of private information and concerned only those requesting the analyses to be made a tabulation was not made of the analyses. The fees received were paid to the State Treasurer as required.

DIRECTION FOR ANALYSIS OF SPECIAL SAMPLES.

Residents of Pennsylvania who manufacture, sell, purchase or make use of feeding stuffs may have samples analyzed by the Bureau for a fee of one dollar (\$1.00), determinations being made for protein, fat and fiber. In cases where the presence of adulterants is suspected examination for foreign materials will be made. Those who desire to have this work done, in submitting samples for analysis should proceed as follows:

Amount of Sample: A sample containing about one-half pound of feed should be submitted for analysis. It should be carefully secured from several sacks, or if in bulk from several different places in the bin, placed on a clean oil-cloth or paper thoroughly mixed and subdivided by halving and quartering until the desired amount is obtained. The sample should then be placed in a bottle, carton or large mailing envelope usually used for such purposes and plainly marked for transportation showing the name of sender and name or number of the feed. When two or more samples are submitted, especially if they are similar in composition and appearance, they should

be marked so that they can be properly listed and identified and in such a manner as to avoid any chance of error.

Charge for Analysis: A fee of one dollar (\$1.00) is charged for each sample analyzed, determinations being made for protein, fat and fiber, and should be sent with a letter requesting the analysis to be made, in the form of check, money order or cash.

Address: Both samples and letters enclosing fees should be addressed and forwarded to the Bureau of Chemistry, Pennsylvania Department of Agriculture, Box 108, Harrisburg, Pa.

ANALYSES OF OFFICIAL SAMPLES OF FEEDING STUFFS COLLECTED BY SPECIAL AGENTS.

The results of chemical analyses and the microscopical examinations of each official sample of feeding stuffs obtained during 1920 by Special Agents of the Department have been tabulated and arranged in classes or groups for comparison in Table III which follows, like feeds and brands being placed together and where two or more samples of the same kind, brand or class were analyzed, the average results are shown. The samples are included in the order of classification indicated in Table I and are placed in alphabetical order of the names of manufacturers or importers and the brand names under each in the same order. In addition to the results of examination, the names and addresses of the selling agents or dealers from whom the samples were secured, the guarantees found upon sacks or attached cards and the selling prices at the rate of 100 lbs. or a ton are shown. The several classes of feeds will be found in the following Table under the following general headings and sub-headings:

OIL CAKE MEALS including cottonseed meal, cottonseed feed, and old process linseed oil meal.

DISTILLERY AND BREWERY BY-PRODUCTS including distillers' dried grains largely from corn, distillers and yeast dried grains and brewers' dried grains.

MAIZE BY-PRODUCTS including corn gluten meal, corn gluten feed, hominy feed, corn bran and corn feed meal.

WHEAT OFFALS including wheat bran (with and without ground grain screenings), mixed feed: wheat by-products, wheat middlings

(with and without ground grain screenings), standard wheat middlings, wheat shorts, wheat flour middlings and low grade flour.

RYE OFFALS including rye middlings.

WHEAT AND RYE OFFALS including wheat mixed feed and rye middlings.

OAT BY-PRODUCTS including oat feed.

BARLEY OFFALS including barley mixed feed.

BUCKWHEAT OFFALS including buckwheat middlings and buckwheat feed.

ALFALFA MEAL.

DRIED BEET PULP.

MIXED FEEDS: PROPRIETARY AND MISCELLANEOUS, including proprietary dairy feed, proprietary dairy feed with molasses, proprietary horse and mule feed, proprietary stock, horse and mule feed with molasses, proprietary calf meal, proprietary swine feed, proprietary chop feed, miscellaneous chop feed, miscellaneous feed and proprietary poultry feed.

ANIMAL BY-PRODUCTS including blood meal, meat and bone scrap, fish scrap and tankage.

CONDIMENTAL STOCK AND POULTRY FOOD.

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
OIL CAKE PRODUCTS.					
COTTONSEED MEAL.					
THE AMERICAN COTTON OIL CO., NEW YORK, N. Y.					
6026	American Red Tag, -----	J. R. Anderson, Beaver Falls.	% 8.35	% 41.53	% 38.62
5851	American Red Tag, -----	J. H. Duttera, New Oxford.	7.30	40.88	38.63
		Average, -----	7.82	41.55	-----
5994	Yellow Tag, -----	Muth Brothers, Elizabethtown.	8.37	42.44	41.20
F. W. BRODE & CO., MEMPHIS, TENN.					
5933	Dove Brand Prime, -----	The I. W. Scott Co., Pittsburgh.	7.05	40.88	38.63
5810	Owl Brand 43, High Grade, -----	Dayton Milling Company, Towanda.	6.80	43.69	43.00
S. P. DAVIS, LITTLE ROCK, ARK.					
6545	Good Luck Brand, -----	H. C. Beerite Sons, Somerset.	8.82	38.63	41.00
5912	Good Luck Brand, -----	John W. Eshelman & Sons, Lancaster.	8.65	43.75	41.06
5774	Good Luck Brand, -----	J. H. Hershberger & Son, Johnstown.	8.50	45.75	41.06
5533	Good Luck Brand, -----	Abram Hostetler, Scalp Level.	8.50	39.31	41.00
		Average, -----	8.61	41.86	-----
6037	Veribest Brand, -----	Excelsior Flour & Feed Co., Freedom.	8.50	38.13	38.50
GLOBE OIL MILLS, LOS ANGELES, CALI.					
5883	*Cottonseed Meal or Cake, -----	Hardy & Porter, Dunbar,	7.42	41.31	36.00
W. D. HALL CO., ATLANTA, GA.					
6459	Prime, -----	Edward F. Bracken, Newtown Square.	9.50	41.25	38.62
HUMPHREYS-GODWIN CO., MEMPHIS, TENN.					
6098	Dixie Brand, -----	M. O. Dietz & Son, Mechanicsburg.	7.82	42.06	41.00
5905	Dixie Brand, -----	Lehman & Wolgemuth, Elizabethtown.	8.95	45.06	41.00
6288	Dixie Brand, -----	L. Ritter, St. Marys, -----	8.42	42.75	41.00
		Average, -----	8.39	43.29	-----
6611	Forfat Brand, -----	C. P. Matthews & Sons, Inc., Scranton.	11.42	37.94	38.62
IMPERIAL COTTO SALES CO., CHICAGO, ILL.					
5832	*Imperial Cotto Brand Prime, -----	Sandy Lake Flouring Mills, Sandy Lake.	8.74	39.25	38.50
L. B. LOVITT & CO., MEMPHIS, TENN.					
6864	Neal's Choice, -----	Hetrick, Wilson & Co., Indiana.	7.95	43.44	43.00
*Not Registered					

*Not Registered

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
8.13	6.00	10.72	11.50	4 75	-----	Excessive amount of	6026
7.08	6.00	8.84	11.50	4 15	Cottonseed meal and ground cottonseed hulls mixed.	As certified, -----	5851
7.61	-----	9.78	-----	4 45	-----		
6.43	7.00	8.50	10.00	4 05	-----	Cottonseed meal, ----	5994
8.68	6.00	9.95	12.00	4 55	Made from cottonseed,	As certified, -----	5933
8.70	6.00	9.00	10.00	3 40	Made from cottonseed,	As certified, -----	6310
8.23	6.00	10.30	9.00	4 50	Made from decorticated cottonseed.	As certified, -----	6545
7.08	6.00	11.30	9.00	4 50	Made from decorticated cottonseed.	Excessive amount of	5912
6.39	6.00	9.02	9.00	4 50	Made from decorticated cottonseed.	As certified, -----	5774
5.93	6.00	12.05	9.00	4 25	Made from decorticated cottonseed.	Excessive amount of	6533
6.91	-----	10.68	-----	4 44	-----		
6.23	6.00	12.97	10.00	88 00	Decorticated cottonseed,	Excessive amount of	6037
10.88	7.00	10.20	12.50	5 00	Made from cottonseed,--	Cottonseed meal, ----	5883
8.58	6.00	6.55	10.00	4 50	Made from upland cottonseed.	As certified, -----	6489
6.30	5.50	11.22	10.00	4 75	-----	Excessive amount of	6098
7.58	5.50	9.25	10.00	87 00	-----	hulls. Cottonseed meal, ----	5995
7.08	5.50	10.65	10.00	4 50	-----	Cottonseed meal, ----	6288
6.99	-----	10.37	-----	90 67	-----		
6.58	5.00	11.17	12.00	4 00	Made from pressed cottonseed.	Excessive amount of	6611
5.66	6.00	15.17	12.00	4 00	-----	Excessive amount of	5832
7.06	6.00	11.60	10.00	3 50	-----	hulls and foreign fibrous material. Abnormal in color and odor and damaged.	
					-----	Excessive amount of	6864
						hulls.	

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6634	McKINNEY COTTON OIL MILL CO., McKINNEY, TEXAS. *Ordinary, -----	John B. Curry Estate, Swatara.	% 7.95	% 42.75	% 43.00
5923	C. L. MONTGOMERY & CO., MEMPHIS, TENN. Canary Extra Brand Choice, -----	J. E. Pritts, Scottdale, --	7.45	42.88	41-43
6722	PLANTERS COTTON OIL CO., WAXAHACHIE, TEXAS. *Ground Cottonseed Feed No. 4, ----	Lake View Milling Co., Chambersburg.	7.17	45.75	41.20
6124	RUSSELL-COLEMAN OIL MILL, SAN ANTONIO, TEXAS. *Ordinary, -----	Corry Milling & Supply Co., Corry.	8.35	47.81	43.60
6625	TRINITY COTTON OIL CO., DALLAS, TEXAS. Cottonseed Meal, -----	Dillsburg Grain & Milling Co., Dillsburg.	7.15	45.81	43.00
	COTTONSEED FEED.	Total average, -----	8.22	42.34	-----
6134	THE AMERICAN COTTON OIL CO., NEW YORK, N. Y. Surety Brand, -----	Z. A. Brace & Son, Water- ford.	9.50	37.75	36.00
6049	Surety Brand, -----	Wm. H. Dunlap, Jr., Canonsburg.	8.75	37.94	36.00
6215	Surety Brand, -----	L. A. Fischer & Co., Bradford.	9.50	37.19	36.00
5946	Surety Brand, -----	Hershey Chocolate Co., Hershey.	8.07	35.06	36.00
5890	Surety Brand -----	J. F. Hogsett & Son, Uniontown.	6.77	40.50	36.00
5811	Surety Brand -----	H. J. Klingler & Co., Butler.	6.50	40.13	36.00
6320	Surety Brand -----	Monaca Roller Mills, Mon- aca.	9.10	39.63	36.00
5816	Surety Brand -----	Thompson & Glenn, But- ler.	9.37	39.88	36.00
6560	Surety Brand -----	The White Milling Co., Bloomsburg.	9.00	38.94	36.00
	ASHCRAFT-WILKINSON CO., ATLANTA, GA.	Average, -----	8.50	38.56	-----
6103	Paramount Brand, -----	Wm. B. Barnitz, Carlisle,	7.15	36.63	36.00
5913	Paramount Brand, -----	Edw. F. Bracken, Paoli,--	7.00	37.00	36.00
6431	Paramount Brand, -----	Eulalia Milling Co., Inc., Coudersport.	9.10	36.88	36.00
5834	Paramount Brand, -----	G. R. Thompson, Gettys- burg.	6.37	41.25	36.00
6415	Paramount Brand, -----	Jos. C. Walker & Sons Co., Gap.	7.99	38.81	36.00
6778	Paramount Brand, -----	Wayne Milling Company Honesdale.	6.50	36.88	36.00
	*Not Registered.	Average, -----	7.35	37.91	-----

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
9.98	6.00	9.55	12.00	4 25	-----	Cottonseed meal, -----	6634
7.40	6.9	10.65	8.10	4 20	This meal is made from fully decorticated cottonseed.	As certified, -----	5923
7.96	5.00	9.02	14.00	72 00	Cottonseed meal, containing not more than 5% excess hulls.	Cottonseed meal -----	122
8.30	6.00	7.95	12.00	4 25	-----	Cottonseed meal, -----	6124
7.95	6.00	8.57	12.00	4 20	-----	Cottonseed meal, -----	6625
7.57	-----	10.18	-----	85 13	-----		
8.25	5.50	11.92	14.00	4 00	Cottonseed meal and ground cottonseed hulls mixed.	As certified, -----	6134
6.78	5.50	12.42	14.00	85 00	-----	Cottonseed meal and cottonseed hulls.	6049
7.40	5.50	14.25	14.00	4 25	-----	Cottonseed meal and cottonseed hulls.	6215
6.73	5.50	13.72	14.00	84 00	Cottonseed meal and ground cottonseed hulls mixed.	As certified, -----	5946
6.74	5.50	11.92	14.00	4 50	-----	Cottonseed meal and cottonseed hulls.	5890
6.31	5.50	11.73	14.00	4 30	Cottonseed meal and ground cottonseed hulls mixed.	As certified, -----	5811
7.58	5.50	11.40	14.00	4 25	-----	Cottonseed meal and cottonseed hulls.	6020
7.44	5.50	11.31	14.00	85 00	Cottonseed meal and ground cottonseed hulls mixed.	As certified, -----	5816
7.00	5.50	12.50	14.00	4 75	-----	Cottonseed meal and cottonseed hulls.	6560
7.14	-----	12.35	-----	86 11	-----		
7.63	5.50	11.35	14.00	84 00	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6103
8.65	5.50	13.25	14.00	4 50	Made from cottonseed meal and cottonseed hulls.	As certified, -----	5913
6.88	5.50	10.25	14.00	4 00	Made from upland cottonseed.	Cottonseed meal and cottonseed hulls.	6431
6.48	5.50	11.05	14.00	4 00	Made from cottonseed meal and cottonseed hulls.	As certified, -----	5834
7.35	5.50	10.60	14.00	4 20	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6415
6.52	5.50	12.53	14.00	62 50	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6778
7.25	-----	11.50	-----	80.08	-----		

TABLE III.—ANALYSES OF SAMPLES OF

Chemists' number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6729	M. F. BARINGER, PHILADELPHIA, PA. M. F. B. Goodlow, -----	Diehl, Onwake & Diehl, Chambersburg.	% 7.15	% 37.00	% 36.00
6697	M. F. B. Goodlow, -----	R. F. Owings, York, -----	7.07	36.27	36.00
6829	M. F. B. Goodlow, -----	I. B. Sechrist, Millerstown, -----	7.37	38.31	36.00
		Average, -----	7.19	37.19	-----
6127	THE J. E. BARTLETT CO., JACKSON, MICH. Bartlett's Farmer Brand "Straight,"	Miller & Parsons, Cotry, -----	8.20	35.51	36.00
6863	F. W. BRODE & CO., MEMPHIS, TENN. Jay Brand, -----	Farmers Exchange, Indiana.	8.05	40.31	36.00
6218	Jay Brand, -----	A. T. Sprankle, DuBois, -----	8.45	33.00	36.00
5772	Jay Brand, -----	Weaver & Berkey, Windber.	7.17	38.56	36.00
		Average, -----	7.89	38.96	-----
6130	THE BUCKEYE COTTON OIL CO., CINCINNATI, OHIO. Buckeye, -----	Z. A. Brace & Son, Waterford.	6.50	36.88	36.00
5786	Buckeye, -----	Brown & Fassett, Tunkhannock.	6.05	38.69	36.00
6089	Buckeye, -----	A. B. Harnish, Mechanicsburg.	7.22	35.63	36.00
6593	Buckeye, -----	Washington Grain & Feed Co., Washington.	8.57	40.06	36.00
5844	Buckeye, -----	C. M. Wolf, Gettysburg, -----	6.02	37.50	36.00
		Average, -----	6.87	37.75	-----
6077	Buco, -----	J. W. Craft & Sons, Ambler.	9.82	19.06	20.00
6205	BEREND J. BURNS, BUFFALO, N. Y. Cottonseed Feed, -----	Smith Brothers, Bradford,	9.17	21.81	20.00
6392	S. P. DAVIS, LITTLE ROCK, ARK. Beauty Brand, -----	John S. Brown & Sons Co., New Castle.	8.77	33.50	36.00
5801	Davis, -----	C. B. Tyler, Tunkhannock,	9.10	21.44	20.00
6839	EASTERN COTTON OIL CO., HARTFORD, CONN. Supreme, -----	A. K. Kulp, Pottstown, -----	6.82	34.25	36.00
6710	Supreme, -----	D. E. Wagenseller, Supplee.	7.07	38.31	36.00
		Average, -----	6.94	36.28	-----
6721	JONAS F. EBY & SON, LANCASTER, PA. Liberty, -----	Walker Bros., Chambersburg.	6.52	35.50	36.00
5868	W. D. HALL & CO., ATLANTA, GA. Good, -----	Andre & Sweet, Montrose.	8.27	35.56	36.00
6387	Good, -----	Elmer Eby, Lititz, -----	7.47	37.81	36.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.83	5.00	13.84	16.00	60 00	-----	Cottonseed meal and cottonseed hulls.	6729
7.21	5.00	12.42	16.00	60 00	-----	Cottonseed meal and cottonseed hulls.	6697
6.44	5.00	13.20	16.00	-----	-----	Cottonseed meal and cottonseed hulls.	6829
6.49	-----	13.15	-----	60 60	-----		
6.13	5.00	13.69	17.00	4 10	-----	Cottonseed meal and cottonseed hulls.	6127
5.30	5.00	12.68	14.00	60 00	A mixture of cottonseed meal and cottonseed hulls.	As certified, -----	6863
6.28	5.00	11.35	14.00	4 50	A mixture of cottonseed meal and cottonseed hulls.	As certified, -----	6218
6.71	5.00	14.26	14.00	4 15	Cottonseed meal and cottonseed hulls.	As certified, -----	5772
7.10	-----	12.76	-----	77.67			
6.43	5.00	12.30	14.00	4 00	Cottonseed meal and cottonseed hulls.	As certified, -----	6130
7.02	5.00	11.85	14.00	4 35	Composed of cottonseed meal and cottonseed hulls.	As certified, -----	5786
7.03	5.00	11.47	14.00	4 40	Cottonseed meal and cottonseed hulls.	As certified, -----	6089
6.85	5.00	14.80	14.00	4 10	-----	Cottonseed meal and cottonseed hulls.	6593
6.60	5.00	13.63	14.00	4 00	Cottonseed meal and cottonseed hulls.	As certified, -----	5844
6.97	-----	12.81	-----	4 17			
4.98	3.50	23.85	27.00	3 00	Composed of cottonseed meal and cottonseed hulls.	As certified, -----	6077
3.68	3.00	24.92	26.00	3 50	Cottonseed meal and ground cottonseed hulls.	As certified, -----	6205
4.32	6.00	15.75	14.00	4 25	Cottonseed meal and cottonseed hulls.	As certified, -----	6392
3.39	3.00	25.29	27.00	3 60	Made from cottonseed meal and hulls.	As certified, -----	5891
6.55	5.00	14.11	14.00	3 25	Upland cottonseed, -----	Cottonseed meal and cottonseed hulls.	6839
6.26	5.00	11.15	14.00	65 00	Made from upland cottonseed.	Cottonseed meal and cottonseed hulls.	6710
6.41	-----	12.63	-----	65 00			
6.44	5.00	13.54	12.00	3.50	Cottonseed meal and cottonseed hulls.	As certified, -----	6721
3.02	5.50	11.16	14.00	4 25	Made from upland cottonseed.	Cottonseed meal and cottonseed hulls.	5868
7.60	5.50	10.47	14.00	4 15	Cottonseed meal and cottonseed hulls.	As certified, -----	6837

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Protein.		
			Moisture.	Found.	Guaranteed.
			%	%	%
6504	Good, -----	C. O. Hipple & Son, West Chester.	8.35	37.06	36.00
6084	Good, -----	Simpson Brothers, Norristown.	7.22	37.54	36.00
		Average, -----	7.82	38.00	-----
	HAYES GRAIN & COMMISSION CO., LITTLE ROCK, ARK.				
6739	Arkansaw Brand, -----	Co-Operative Grange Milling Co., Titusville.	6.65	38.31	36.00
6427	Arkansaw Brand, -----	B. T. Lynch, Port Allegany.	8.65	39.94	36.00
		Average, -----	7.65	39.13	-----
	HUMPHREYS-GODWIN CO., MEMPHIS, TENN.				
6332	Danish Brand, -----	Blank & Gottshall, Sunbury.	9.00	33.94	36.00
5983	Danish Brand, -----	The Goldsboro Pure Feed Co., Goldsboro.	6.27	36.25	36.00
6143	Danish Brand, -----	Handwork Bros., Coatesville.	8.87	35.94	36.00
6275	Danish Brand, -----	R. T. Jones, North Warren.	6.62	39.63	36.00
6009	Danish Brand, -----	Mahoning Valley Milling Co., Punsutawney.	5.97	35.94	36.00
6618	Danish Brand, -----	C. P. Matthews & Sons, Inc., Scranton.	7.95	35.00	36.00
6746	Danish Brand, -----	Miner-Hillard Milling Co., Plymouth.	7.50	38.13	36.00
6449	Danish Brand, -----	Miner-Hillard Milling Co., Wilkes-Barre.	10.50	36.94	36.00
6110	Danish Brand, -----	L. L. Rice, Carlisle, -----	6.27	36.13	36.00
6657	Danish Brand, -----	J. B. Roux, Farrell, -----	7.80	36.13	36.00
5802	Danish Brand, -----	O. B. Tyler, Tunkhannock.	7.02	39.38	36.00
6787	Danish Brand, -----	A. L. Vandervert, Laceyville.	6.62	36.81	36.00
		Average, -----	7.53	36.70	-----
	LANIER BROTHERS, NASHVILLE, TENN.				
5960	Holstein Brand Cottonseed Meal and Ground Cottonseed Hulls Mixed.	F. E. Painter, Mt. Pleasant.	8.57	42.50	36.00
6586	Holstein Brand Cottonseed Meal and Ground Cottonseed Hulls Mixed.	Russell Brothers, Washington.	9.02	36.75	36.00
		Average, -----	8.79	39.63	-----
	L. B. LOVETT & CO., MEMPHIS, TENN.				
3670	Thirty-Six Brand, -----	Anderson Brothers Co., York.	8.17	35.69	36.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
7.08	5.50	10.05	14.00	4 00	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6504
1.33	5.50	11.55	14.00	4 25	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6084
7.51	-----	10.80	-----	4 16			
8.29	5.00	11.57	14.00	3 25	Made from cottonseed meal and hulls.	As certified, -----	6739
6.38	5.00	14.50	15.00	4 30	Made from pressed cottonseed.	Cottonseed meal and cottonseed hulls.	6427
7.34	-----	13.03	-----	3 78			
7.33	5.00	14.52	15.00	4 05	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6332
5.45	5.00	13.30	15.00	30 00	Made from cottonseed meal and cottonseed hulls.	As certified, -----	5983
5.75	5.00	13.65	15.00	4 50	Made from pressed cotton seed.	Cottonseed meal and cottonseed hulls.	6143
6.76	5.00	11.87	15.00	4 15	Made from pressed cotton seed.	Cottonseed meal and cottonseed hulls.	6275
5.70	5.00	14.80	15.00	4 25	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6009
6.45	5.00	14.30	15.00	3 86	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6618
9.03	5.00	10.52	15.00	3 00	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6746
6.67	5.00	13.15	15.00	4 10	Cottonseed meal and cottonseed hulls.	As certified, -----	6449
5.78	5.00	13.21	15.00	4 25	Made from pressed cottonseed.	Cottonseed meal and cottonseed hulls.	6110
5.08	5.00	14.82	15.00	4 00	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6657
5.99	5.00	15.22	15.00	4 35	Made from cottonseed meal and cottonseed hulls.	As certified, -----	5802
3.10	5.00	11.12	15.00	3 20	Made from pressed cottonseed.	Cottonseed meal and cottonseed hulls.	6787
6.50	-----	13.37	-----	79 42			
5.53	5.00	10.05	14.00	4 80	Made from cottonseed meal and cottonseed hulls.	As certified, -----	5960
6.60	5.00	12.17	14.00	5 50	Cottonseed meal and cottonseed hulls.	As certified, -----	6586
6.57	-----	11.11	-----	5 15			
5.48	5.00	13.33	14.00	3 70	-----	Cottonseed meal and cottonseed hulls.	6670

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5957	Thirty-Six Brand, -----	Broadway Flour & Feed Mills, Scottdale.	% 7.72	% 45.06	% 36.00
6809	Thirty-Six Brand, -----	Dayton Milling Company, Towanda.	8.50	34.94	36.06
6458	Thirty-Six Brand, -----	Kline's Sifter Mills, Brookville.	8.42	33.81	36.00
6519	Thirty-Six Brand, -----	J. H. Lavery's Sons, Franklin.	9.45	33.75	36.00
	MINTER CITY OIL WORKS, MINTER CITY, MISS.	Average, -----	8.45	36.65	-----
6060	*Minter Brand, -----	A. H. Klugh, New Kensington.	7.90	39.75	36.60
	C. L. MONTGOMERY & CO., MEMPHIS, TENN.				
6421	Star Brand, -----	Emporium Milling Co., Emporium.	7.80	36.69	36.00
	W. C. NOTHERN, MEMPHIS, TENN.				
6313	Standard Brand, -----	City Flouring Mills, Inc., Muncy.	9.75	32.31	36.00
6652	Standard Brand, -----	D. B. Webber, Greenville.	8.80	37.56	36.00
	THE PARK & POLLARD CO., BOSTON, MASS.	Average, -----	9.27	34.94	-----
5778	*Cottonseed Meal, -----	A. Skelly, Ebensburg, ---	7.72	36.38	-----
	J. M. SANSOM & CO., DALLAS, TEXAS.				
6827	*Sansom's, -----	A. H. Ush's Sons, Millers-town.	7.95	33.94	36.00
	T. L. SMITH, BIRMINGHAM, ALA.				
6171	*Cottonseed Meal, -----	J. T. Murphy, Clearfield,	9.67	37.75	36.90
	TAYLOR COMMISSION CO., ATLANTA, GA.				
6406	Taylor, -----	Brown & Rea, Atglen, ---	7.82	39.25	36.00
6227	Taylor, -----	E. F. Wentz, Lock Haven,	6.65	36.56	36.00
	A. C. WESTERVELT & CO., MEMPHIS, TEN.	Average, -----	7.23	37.91	-----
6737	Sun Brand, -----	J. L. Alcorn, Titusville,	8.65	38.75	36.00
	LINSEED OIL MEAL, O. P.	Total average, -----	7.90	36.71	-----
	AMERICAN MILLING CO., PEORIA, ILL.				
5865	Amco Old Process Linseed Meal and Old Process Screenings Oil Feed.	Brown & Fassett, Montrose.	9.52	35.00	36.00
6311	Amco Old Process Linseed Meal and Old Process Screenings Oil Feed.	B. Linder, New Kensington.	10.45	33.31	30.00
	ARCHER-DANIELS LINSEED CO., BUFFALO, N. Y.	Average, -----	9.98	34.16	-----
6432	Old Process Ground Oil Cake, -----	Eulalia Milling Co., Inc., Coudersport.	10.00	30.69	31.60
6791	Old Process Ground Oil Cake, -----	O. A. Jayne, Skinners Eddy.	9.50	31.44	31.00
6061	Old Process Ground Oil Cake, -----	A. H. Klugh, New Kensington.	9.05	35.31	33.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
8.35	5.00	7.85	14.00	4 70	-----	Cottonseed meal and cottonseed hulls.	5957
6.61	5.00	12.20	14.00	3 00	-----	Cottonseed meal and cottonseed hulls.	6809
6.00	5.00	14.40	14.00	4 30	-----	Cottonseed meal and cottonseed hulls.	6458
5.93	5.00	14.72	14.00	82 00	Cottonseed meal and cottonseed hulls.	As certified, -----	6519
6.67	-----	12.61	-----	79 20			
7.38	5.00	12.65	15.00	4 75	Cottonseed meal and cottonseed hulls.	As certified, -----	6060
6.45	6.00	13.30	14.00	4 30	Made from pressed cottonseed.	Cottonseed meal and cottonseed hulls.	6421
5.58	5.00	15.10	12.00	4 25	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6313
6.53	5.00	13.80	12.00	4 15	Made from pressed cottonseed.	Cottonseed meal and cottonseed hulls.	6652
6.06	-----	14.45	-----	4 20			
6.03	-----	15.35	-----	4 50	-----	Cottonseed meal and cottonseed hulls.	5778
5.82	5.00	15.53	22.00	2 50	Cottonseed meal and cottonseed hulls.	As certified, -----	6827
6.75	6.30	11.37	12.50	5 00	-----	Cottonseed meal and cottonseed hulls.	6171
7.43	5.50	9.10	14.00	80 00	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6406
5.83	5.50	13.05	14.00	4 25	Made from cottonseed meal and cottonseed hulls.	As certified, -----	6227
6.63	-----	11.07	-----	82 50			
6.70	5.00	12.42	15.00	2 85	Made from pressed cottonseed.	Cottonseed meal and cottonseed hulls.	6737
6.70	-----	13.20	-----	80.07			
6.35	5.00	9.14	10.00	3 70	-----	Linseed oil meal and screenings oil feed.	5865
6.18	5.00	7.75	10.00	5 50	-----	Linseed oil meal and screenings oil feed.	6311
6.27	-----	8.44	-----	4 60			
5.68	6.00	7.57	10.00	4 00	-----	Linseed oil meal, -----	6132
7.00	6.00	8.56	10.00	3 40	-----	Linseed oil meal, -----	6791
7.03	6.00	8.10	10.00	5 00	-----	Linseed oil meal, -----	6061

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5949	Old Process Ground Oil Cake, -----	McFarland Supply Com- pany, Greensburg.	10.52	30.63	33.00
6450	Old Process Ground Oil Cake, -----	Miner-Hillard Milling Co., Wilkes-Barre.	8.25	31.56	31.00
		Average, -----	9.46	31.93	-----
5894	JOHN W. ESHELMAN & SONS, LANCASTER, PA. Old Process Oil Meal, -----	John W. Eshelman & Sons, Lancaster.	7.95	30.63	30.00
6505	Old Process Oil Meal, -----	Pamona No. 3 Exchange, West Chester.	9.82	30.06	30.00
6417	Old Process Oil Meal, -----	Jos. C. Walker & Sons Co., Gap.	9.05	30.50	30.60
		Average, -----	8.94	30.40	-----
5862	WILLIAM O. GOODRICH CO., MILWAUKEE, WIS. Argentine Brand Pure, -----	Farmers Exchange, In- diana.	8.55	32.00	31.00
5958	HIRST & BEGLEY LINSEED CO., CHICAGO, ILL. Linseed Oil Meal, -----	Broadway Flour & Feed Mills, Scottdale.	9.75	34.06	34.00
6803	SPENCER KELLOGG & SONS, INC. BUFFALO, N. Y. Pure Old Process Oil Meal, -----	Dayton Milling Co., Tow- anda.	8.90	32.69	31.00
5891	Pure Old Process Oil Meal, -----	J. F. Hogsett & Son, Un- iontown.	9.67	32.81	33.00
6551	Pure Old Process Oil Meal, -----	R. R. Ikeler, Bloomsburg,	10.02	29.36	31.00
6019	Pure Old Process Oil Meal, -----	Monaca Roller Mills, Mon- aca.	9.92	31.50	33.00
6453	Pure Old Process Oil Meal, -----	Port Allegany Milling Co., Port Allegany.	9.77	32.75	33.00
6513	Pure Old Process Oil Meal, -----	Tionesta Milling Co., Tionesta.	9.02	32.00	33.00
5848	Pure Old Process Oil Meal, -----	C. M. Wolf, Gettysburg,--	9.35	33.94	33.00
		Average, -----	9.52	32.15	-----
6486	JOHN T. LEWIS & BROS. CO., PHILADELPHIA, PA. Ground Oil Cake Meal, -----	A. C. Godshall & Co., Inc., Lansdale.	8.22	30.56	-----
5792	THE MANN BROTHERS CO., BUFFALO, N. Y. Pure Old Process Linseed Oil Meal,--	Brown & Fassett, Tunk- hannock.	10.32	35.25	33.00
6248	Pure Old Process Linseed Oil Meal,--	Huntingdon Milling Co., Huntingdon.	9.69	31.75	33.00
6348	Pure Old Process Linseed Oil Meal,--	H. C. Jackson Supply Co., Lewistown.	8.50	29.88	33.00
6170	Pure Old Process Linseed Oil Meal,--	J. T. Murphy, Clearfield,--	9.10	30.69	33.00
6219	Pure Old Process Linseed Oil Meal,--	A. T. Sprankle, DuBois,--	9.55	31.13	31.00
		Average, -----	9.43	31.74	-----
6607	MIDLAND LINSEED PRODUCTS CO., MINNEAPOLIS, MINN. Argentine Brand, -----	Carbondale Milling Co., Carbondale.	7.87	31.88	32.00
6050	Argentine Brand, -----	Wm. H. Dunlap, Jr., Canonsburg.	8.60	32.19	32.00
6357	Argentine Brand, -----	Spanogle-Yeager Milling Co., Lewistown.	9.10	30.94	30.00
6165	Old Process Ground Linseed Cake, --	Average, ----- Centre Milling Co., Philips- burg.	8.52 9.65	31.67 31.31	----- 32.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
7.33	6.00	8.77	10.00	4 50	-----	Linseed oil meal, -----	5949
7.38	6.00	7.60	10.00	3 85	-----	Linseed oil meal, -----	6450
6.88	-----	8.12	-----	4 15	-----		
6.83	5.00	6.87	10.00	4 35	-----	Linseed oil meal, -----	5894
6.48	5.00	7.30	10.00	3 50	-----	Linseed oil meal, -----	6505
6.23	5.00	7.42	10.00	3 80	-----	Linseed oil meal, -----	6417
6.51	-----	7.19	-----	3.88	-----		
6.60	5.00	9.10	10.00	3 50	-----	Linseed oil meal, -----	6862
7.53	6.00	7.62	9.00	4 90	-----	Linseed oil meal, -----	5053
6.98	5.00	8.32	10.00	3 30	-----	Linseed oil meal, -----	6803
6.52	5.00	8.00	10.00	4 50	-----	Linseed oil meal, -----	5891
6.45	5.00	8.37	10.00	4 00	-----	Linseed oil meal, -----	6551
5.85	5.00	7.60	10.00	4 25	-----	Linseed oil meal, -----	6019
6.83	5.00	7.45	10.00	4 15	-----	Linseed oil meal, -----	6453
6.25	5.00	7.85	10.00	4 50	-----	Linseed oil meal, -----	6513
5.57	5.00	7.83	10.00	4 25	-----	Linseed oil meal, -----	5948
6.35	-----	7.91	-----	4 13	-----		
6.55	-----	8.17	-----	3 90	Made from ground oil cake.	As certified, -----	6486
6.76	6.00	4.23	10.00	4 40	-----	Linseed oil meal, -----	5792
7.63	6.00	7.22	10.00	4 75	-----	Linseed oil meal, -----	6248
9.95	6.00	7.12	10.00	5 45	-----	Linseed oil meal, -----	6348
8.03	6.00	7.85	10.00	5 00	-----	Linseed oil meal, -----	6170
6.95	6.00	7.80	10.00	4 50	-----	Linseed oil meal, -----	6219
7.86	-----	6.84	-----	4 82	-----		
6.30	6.00	7.35	9.50	3 75	-----	Linseed oil meal, -----	6607
9.38	6.00	7.90	9.50	85 00	-----	Linseed oil meal, -----	6050
6.53	6.00	7.72	9.50	4 50	-----	Linseed oil meal, -----	6357
7.40	-----	7.65	-----	83 33	-----		
8.10	5.00	8.62	9.50	5 00	-----	Linseed oil meal, -----	6165

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6613	Old Process Ground Linseed Cake, --	C. P. Matthews & Sons, Inc., Scranton.	% 8.92	% 31.06	% 32.00
	MILWAUKEE LINSEED OIL WORKS, MILWAUKEE, WIS.	Average, -----	9.28	31.19	-----
5870	*Ground Linseed Cake, -----	King Brothers, Uniontown,	9.32	35.69	32-35
	THE SHERWIN-WILLIAMS CO., CLEVELAND, OHIO.				
6655	S. W. C. Linseed Oil Meal, -----	Matthers Brothers, Greenville.	8.57	36.81	33-36
6406	S. W. C. Linseed Oil Meal, -----	A. G. Snyder & Son, Clarion,	6.75	31.69	33-36
	THOMPSON & CO., PITTSBURGH, PA.	Average, -----	7.66	34.25	-----
5805	Oil Meal as Stock Food, -----	Braddock Feed & Supply House, Braddock.	9.15	32.38	30.00
6244	Oil Meal as Stock Food, -----	Ross E. Goodman, Huntingdon.	9.35	32.63	30.00
6177	Oil Meal as Stock Food, -----	George J. New's Sons, Blairville.	9.74	31.88	30.00
6587	Oil Meal as Stock Food, -----	Russell Brothers, Washington.	9.47	31.25	30.00
	DISTILLERY AND BREWERY BY-PRODUCTS.	Average, -----	9.42	32.04	-----
	DISTILLERS' DRIED GRAINS. (Largely from Corn.)	Total average, -----	9.21	32.14	-----
	U. S. FOOD PRODUCTS CORPORATION, NEW YORK, N. Y.				
6534	Farmer Jones Corn Distillers' Grains,	Henry S. Beidler, Doylestown.	6.00	41.44	30.00
	DISTILLERS' AND YEAST DRIED GRAINS.				
	THE CORBY CO., WASHINGTON, D. C.				
5798	*Corby Dried Yeast Grains, -----	C. B. Tyler, Tunkhannock,	6.47	19.44	16.00
	THE FLEISCHMANN CO., PEEKSKILL, N. Y.				
5791	Fleischmann's Dried Grains, -----	Brown & Fassett, Tunkhannock.	7.40	20.31	16.00
6763	Fleischmann's Dried Grains, -----	Gibbs Milling Co., Nanticoke.	6.82	17.44	17.00
		Average, -----	7.11	18.88	-----
		Total average, -----	6.89	19.06	-----
	BREWERS' DRIED GRAINS.				
	FARMERS FEED CO., NEW YORK, N. Y.				
5790	Bull Brand Dried Brewers' Grains, --	Brown & Fassett, Tunkhannock	7.32	24.81	27.20 to 36.00
	JOHNSTOWN DRY GRAINS CO., JOHNSTOWN, PA.				
5765	Dried Brewers' Grains, -----	G. Bostert & Sons, Johnstown.	7.07	26.13	24.00
	MILWAUKEE GRAIN & FEED CO., MILWAUKEE, WIS.				
6315	Crown Brewers' Dried Grains, -----	City Flouring Mills, Inc., Muncy.	7.20	20.81	26.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemists' number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
7.08	6.00	7.85	9.00	3 75	-----	Linseed oil meal, -----	6613
7.59	-----	8.23	-----	4.38	-----	-----	-----
6.96	5-8	7.90	8-10	4 50	-----	Linseed oil meal, -----	5876
5.85	5-7	7.80	9.00	4.00	-----	Linseed oil meal, -----	6655
6.20	5-7	8.30	9.00	4 75	-----	Linseed oil meal, -----	6466
6.03	-----	8.05	-----	4 38	-----	-----	-----
6.04	5.50	8.14	11.00	83 00	-----	Linseed oil meal, -----	5805
7.08	5.50	7.55	11.00	4 35	-----	Linseed oil meal, -----	6244
5.88	5.50	7.97	11.00	4 50	-----	Linseed oil meal, -----	6177
6.55	5.50	7.45	11.00	4 50	-----	Linseed oil meal, -----	6587
6.39	-----	7.77	-----	57 50	-----	-----	-----
6.83	-----	7.78	-----	85 92	-----	-----	-----
9.50	7.00	13.10	14.00	3 00	Corn distillers' grains, --	As certified, -----	6834
6.81	5.00	17.26	22.00	2 60	From the manufacture of compressed yeast, barley malt, rye malt, malt sprouts, corn.	As certified, -----	5798
6.47	7.00	18.52	21.00	2 60	Dried yeast grains from corn, rye, malt and sprouts.	As certified, -----	5791
6.68	6.00	18.65	21.00	2 50	Dried yeast grains from barley malt, corn, malt sprouts and rye.	As certified, -----	6763
6.58	-----	18.08	-----	3 25	-----	-----	-----
6.65	-----	17.81	-----	3 03	-----	-----	-----
6.46	6.3-8	14.51	12.85 to 15.20	3.59	-----	Brewers' Dried Grains, -----	5790
5.96	6.71	14.26	15.00	2.85	-----	Brewers' Dried Grains, -----	5765
5.80	6.00	15.37	15.00	3.75	-----	Brewers' Dried Grains, -----	6315

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled at	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
	PENN GRAINS & FEED CO. PHILADELPHIA, PA.				
6100	Peerless Brand Brewers' Dried Grains,	S. E. Shenk & Sons, Newville.	7.02	29.06	26.00
6086	Peerless Brand Brewers' Dried Grains,	Simpson Brothers, Norristown.	8.35	24.25	26.00
	THE PENNSYLVANIA CENTRAL BREWING CO., SCRANTON, PA.	Average, -----	7.68	26.66	-----
6438	Brewers' Dried Grains, -----	C. P. Matthews & Sons, Inc., Wilkes-Barre.	6.10	21.44	23.71
6616	Brewers' Dried Grains, -----	C. P. Matthews & Sons, Inc., Scranton.	7.75	21.00	23.71
		Average, -----	6.92	21.22	-----
	STEGMAIER BREWING CO., WILKES-BARRE, PA.				
6312	Dried Brewers' Grains, -----	City Flouring Mills, Inc., Muncy.	7.90	25.69	22.25
6759	Dried Brewers' Grains, -----	Seureman Milling Co., Wilkes-Barre.	9.05	23.61	22.23
		Average, -----	8.47	24.65	-----
		Total average, -----	7.52	24.09	-----
	MAIZE BY-PRODUCTS.				
	CORN GLUTEN MEAL.				
	CORN PRODUCTS REFINING CO., NEW YORK, N. Y.				
5901	Diamond, -----	John W. Eshelman & Sons, Lancaster.	8.30	42.50	40.00
	CORN GLUTEN FEED.				
	AMERICAN MAIZE PRODUCTS CO. NEW YORK, N. Y.				
6429	Cream of Corn, -----	B. T. Lynch, Port Allegany.	4.60	23.81	23.00
6139	Cream of Corn, -----	R. H. Van Tassel, Corry,	6.87	25.44	23.00
		Average, -----	5.73	24.63	-----
	CORN PRODUCTS REFINING CO., NEW YORK, N. Y.				
6705	Buffalo, -----	Bradford & Co., Centre Hall.	8.00	25.94	23.00
5785	Buffalo, -----	Brown & Fassett, Tunkhannock.	8.92	29.00	23.00
6055	Buffalo, -----	Canonsburg Milling Co., Canonsburg.	10.02	23.31	23.00
6804	Buffalo, -----	Dayton Milling Co., Towanda.	8.77	23.38	23.00
6628	Buffalo, -----	Dillsburg Grain & Milling Co., Dillsburg.	9.52	27.75	23.00
6389	Buffalo, -----	Elmer Eby, Lititz.	8.65	25.63	23.00
6216	Buffalo, -----	L. A. Fischer & Co., Bradford.	10.07	26.88	23.00
6774	Buffalo, -----	Honesdale Milling Co., Honesdale.	7.52	25.50	23.00
6654	Buffalo, -----	Matthers Bros., Greenville,	8.85	25.69	23.00
6508	Buffalo, -----	Pamona No. 3 Exchange, West Chester.	9.85	25.94	23.00
6788	Buffalo, -----	A. L. Vanderport, Laeeyville.	9.05	25.75	23.00
6271	Buffalo, -----	Warren City Mills, Warren,	9.85	23.31	23.00
		Average, -----	9.08	26.92	-----

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemists' number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
6.50	6.00	15.05	12.00	70 00	-----	Brewers' dried grains,--	6100
6.10	6.00	15.00	12.00	3 85	-----	Brewers' dried grains,--	6086
6.30	-----	15.47	-----	73 50	-----		
5.98	7.14	16.60	15.85	3 60	-----	Brewers' dried grains,--	6438
5.98	7.14	15.75	15.85	3 50	-----	Brewers' dried grains,--	6616
5.98	-----	16.17	-----	3 55	-----		
6.68	7.39	13.70	16.50	3 50	-----	Brewers' dried grains,--	6312
6.37	6.50	15.98	16.50	3 00	-----	Brewers' dried grains, mouldy and damaged.	6759
6.53	-----	14.84	-----	3 25	-----		
6.20	-----	15.23	-----	69 00	-----		
1.98	1.50	1.75	4.00	4 50	Corn gluten meal, -----	As certified, -----	5901
6.90	1.50	7.42	8.00	4 30	-----	Corn gluten feed, -----	6429
2.95	1.50	6.95	8.50	3.75	-----	Corn gluten feed, -----	6139
4.93	-----	7.18	-----	4 03	-----		
1.88	1.00	7.27	8.50	3 75	Corn gluten feed, -----	As certified, -----	6705
2.24	1.00	7.12	8.00	3 80	Corn gluten feed, -----	As certified, -----	5785
2.23	1.00	6.30	8.50	77 00	Corn gluten feed, -----	As certified, -----	6055
3.02	1.00	6.90	8.50	3 00	Corn gluten feed, -----	As certified, -----	6804
3.05	1.00	6.55	8.50	3 90	Corn gluten feed, -----	As certified, -----	6628
3.13	1.00	7.12	8.50	4 15	Corn gluten feed, -----	As certified, -----	6389
2.60	1.00	7.35	8.50	78 00	Corn gluten feed, -----	As certified, -----	6216
3.32	1.00	6.52	8.50	3 00	Corn gluten feed, -----	As certified, -----	6774
3.93	1.00	7.27	8.50	3 60	Corn gluten feed, -----	As certified, -----	6654
3.40	2.00	7.87	8.50	4 00	Made from corn, -----	Corn gluten feed, -----	6508
3.87	1.00	6.89	8.50	2 90	Corn gluten feed, -----	As certified, -----	6788
2.45	1.00	6.47	8.50	3 75	Corn gluten feed, -----	As certified, -----	6271
2.93	-----	6.96	-----	72 67	-----		

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	DOUGLAS CO., CEDAR RAPIDS, IOWA.		%	%	%
5779	*Douglas, ----- THE HURON MILLING CO., HARBOR BEACH, MICH.	A. Skelly, Ebensburg, ----	8.67	31.44	23.90
6087	Jenk's, ----- PIEL BROTHERS STARCH CO., INDIANAPOLIS, IND.	Simpson Brothers, Norristown.	8.27	23.31	22.00
6123	PBRO, -----	Corry Milling & Supply Co., Corry.	10.45	27.88	-----
6639	PBRO, -----	John B. Curry Estate, Swatara.	8.00	23.50	23.00
6413	PBRO, -----	Jos C. Walker & Sons Co., Gap.	9.95	24.50	23.00
	A. E. STALEY MANUFACTURING CO., DECATUR, ILL.	Average, -----	9.46	25.29	-----
6650	Staley's, -----	Boyd Milling Co., Sharon.	8.25	23.00	23.00
5864	Staley's, -----	Brown & Fassett, Montrose.	9.90	27.50	23.00
6051	Staley's, -----	Wm. H. Dunlap, Jr., Canonsburg.	10.50	28.94	23.00
	U. S. FOOD PRODUCTS CORPORATION, NEW YORK, N. Y.	Average, -----	9.55	26.48	-----
6372	Farmer Jones, -----	The Lancaster County Farmers' Supply Co., Inc., Manheim.	6.50	26.00	23.00
	HOMINY FEED.	Total average, -----	8.74	26.45	-----
	AMERICAN HOMINY CO., INDIANAPOLIS, IND.				
5736	Homco., -----	J. L. Alcorn, Titusville,--	8.90	12.13	10.00
	BALTIMORE PEARL HOMINY CO., BALTIMORE, MD.				
5378	Spring Garden, -----	S. Book & Brother, Quarryville.	9.25	10.94	10.00
	ELEVATOR MILLING CO., SPRINGFIELD, ILL.				
6632	*Ideal, -----	John B. Curry Estate, Swatara.	9.65	11.38	10.00
	CHARLES A. KRAUSE MILLING CO., MILWAUKEE, WIS.				
6195	Badger, -----	Henry S. Beidler, Doylestown.	9.42	12.50	10.00
5787	Badger, -----	Brown & Fassett, Tunkhannock.	10.47	12.25	10.00
3859	Badger, -----	Farmers Exchange, Indiana.	7.70	10.31	10.00
6814	Badger, -----	F. H. Hagerman, Towanda.	9.35	10.19	10.00
	MINER-HILLARD MILLING COO., WILKES-BARRE, PA.	Average, -----	9.23	11.31	-----
6747	Choice Steam Cooked, -----	Miner-Hillard Milling Co., Plymouth.	11.07	12.06	10-12
	POSTUM CEREAL COMPANY, BATTLE CREEK, MICH.				
6784	Burt's, -----	Wayne Milling Company, Honesdale.	2.95	11.19	10.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
2.39	1.00	6.42	8.00	4 00	-----	Corn gluten feed, -----	5779
3.28	3.00	6.55	8.00	3 80	Corn starch by-product with corn bran.	As certified, -----	6087
2.53	-----	6.20	-----	3 75	-----	Corn gluten feed, -----	6123
1.55	2.00	6.62	8.00	3 60	-----	Corn gluten feed, -----	6639
1.58	2.00	5.30	8.00	3 90	-----	Corn gluten feed, -----	6413
1.89	-----	6.04	-----	3 75	-----		
2.20	2.50	7.00	10.00	3 70	-----	Corn gluten feed, -----	6650
1.49	2.50	6.80	10.00	3 35	Corn gluten feed, -----	As certified, -----	5864
2.60	2.50	7.40	10.00	78 00	Corn gluten feed, -----	As certified, -----	6051
2.10	-----	7.06	-----	73 00	-----		
7.15	2.00	7.92	9.50	80 00	Corn gluten feed, -----	Corn gluten feed, malt sprouts and malted barley.	6372
3.03	-----	6.87	-----	74 48	-----		
8.19	6.00	6.79	6.00	4 00	Hominy feed with corn screenings added and part of germ removed.	As certified, -----	6736
7.69	5.00	4.25	5.00	4 10	Hominy feed from corn with mill run screenings.	As certified, -----	6378
7.10	6.50	3.20	7.00	4 00	-----	Hominy feed, -----	6632
6.03	6.00	4.30	5.00	3 60	Hominy feed from white corn.	As certified, -----	6195
5.49	6.00	3.61	5.00	3 40	Hominy feed from yellow corn.	As certified, -----	5787
5.72	6.00	2.75	5.00	3 75	Hominy feed from yellow corn.	As certified, -----	6859
6.61	6.00	4.44	5.00	2 25	Made from corn, -----	As certified, -----	6814
5.96	-----	3.77	-----	3 25	-----		
5.48	4-8	4.53	3-5	2 40	-----	Hominy feed, -----	6747
6.95	6.00	3.87	5.00	49 00	Made from white corn,--	As certified, -----	5784

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	THE QUAKER OATS CO., CHICAGO, ILL.		%	%	%
5886	Yellow, -----	Hardy & Porter, Dunbar,	9.75	13.31	9.00
	WATHEN MILLING CO., LOUISVILLE, KY.				
6318	Hominy Feed, -----	F. W. Dawson & Son, Williamsport.	8.42	10.88	10.00
		Total average, -----	8.81	11.56	-----
	CORN BRAN.				
	MINER-HILLARD MILLING CO., WILKES-BARRE, PA.				
6835	Choice Steam Cooked Flakeline, -----	Henry S. Beidler, Doylestown.	6.65	11.63	10-12
	KIMBALL MILLING CO., KANSAS CITY, MO.				
6189	Corn Bran, -----	Henry S. Beidler, Doylestown.	11.32	14.25	8.00
		Average, -----	8.98	12.94	-----
	CORN FEED MEAL.				
	ACME-EVANS CO., INDIANAPOLIS, IND.				
6159	Homlik, -----	Centre Milling Co., Philipsburg.	13.10	10.00	8.50
6011	Homlik, -----	Crescent Flour & Feed Co. Punxsutawney.	13.82	9.06	8.50
		Average, -----	13.46	9.58	-----
	THE QUAKER OATS CO., CHICAGO, ILL.				
6703	Yellow Feed Meal, -----	E. C. Noll, Lewisburg, ---	11.25	9.56	8.00
		Total average, -----	12.72	9.54	-----
	WHEAT OFFALS.				
	WHEAT BRAN. (With and Without Ground Grain screenings.)				
	ASH BROTHERS, BRIAR CREEK, PA.				
6572	*Wheat Bran, -----	Ash Brothers, Briar Creek,	10.20	14.56	-----
	BAY STATE MILLING COMPANY, WINONA, MINN.				
5952	Winona Coarse Wheat Bran, -----	McFarland Supply Co., Greensburg.	8.35	17.25	15.00
	BIG DIAMOND MILLS CO., MINNEAPOLIS, MINN.				
6153	Big Diamond Wheat Bran, -----	J. O. Reed, Philipsburg,--	9.67	15.06	13.00
	J. P. BURROUGHS & SON, FLINT, MICH.				
6767	*Choice Winter Wheat Bran, -----	Broadway Mills, Nanticoke,	7.60	13.94	12.50
	THE CLEVELAND MILLING CO., CLEVELAND OHIO.				
5969	Wheat Bran with Ground Screenings not Exceeding Mill Run.	R. S. Altman, Irwin, -----	7.50	18.31	14.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
7.23	4.00	4.57	4.00	4 00	Yellow hominy feed, ----	As certified, -----	5886
8.33	6.00	4.72	7.00	4 25	Made from corn, -----	As certified, -----	6318
6.79	-----	4.27	-----	69 46			
5.37	4-7	10.82	6-9	3 00	-----	Corn bran, -----	6835
10.50	3.50	6.22	12.50	3 70	Corn bran, -----	As certified, -----	6189
7.94	-----	8.52	-----	3 35			
4.88	3.00	2.70	4.00	3 75	Corn and reground corn feed meal.	As certified, -----	6159
3.85	3.00	1.95	4.00	3 70	Corn and reground corn feed meal.	As certified, -----	6011
4.37	-----	2.32	-----	3 73			
2.68	3.00	1.98	2.00	60 00	Made from corn, -----	As certified, -----	6703
4.14	-----	2.21	-----	69 67			
8.95	-----	7.15	-----	3 00	Made from new wheat,--	As certified, -----	6572
5.13	3.50	9.00	12.00	2 60	Guaranteed free from screenings.	Wheat bran, -----	5952
4.58	3.50	10.22	13.90	3 00	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	6153
4.35	3.00	11.17	10.50	2 50	Wheat bran with ground screenings not exceeding mill run.	Contains screenings, largely crushed corn cockle.	6767
4.55	4.50	8.95	13.00	2 60	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	5969

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
6270	CROUCH BROTHERS, ERIE, PA. Wheat Bran with Ground Screenings not Exceeding Mill Run.	Warren City Mills, Warren.	9.00	17.69	15.00
6800	DAYTON MILLING CO., TOWANDA, PA. *Wheat Bran, -----	Dayton Milling Company, Towanda.	7.32	19.44	-----
6515	DULUTH SUPERIOR MILLING CO., DULUTH, MINN. Duluth Imperial Bran with Ground Screenings not Exceeding Mill Run.	Tionesta Milling Co. Tionesta.	9.25	15.00	15.00
5943	DULUTH UNIVERSAL MILLING CO., DULUTH, MINN. Wheat Bran with Ground Screenings not Exceeding Mill Run.	Hershey Chocolate Co., Hershey.	8.75	15.69	13.80
6608	EAGLE ROLLER MILL CO., NEW ULM, MINN. Wheat Bran with Ground Screenings not Exceeding Mill Run.	Carbondale Milling Co., Carbondale.	8.92	15.06	14.00
6715	B. A. ECKHART MILLING CO., CHICAGO, ILL. Wheat Bran and Screenings,, -----	Perry & Henderson, Connellsville.	9.80	16.75	14.50
5874	THE GOER— FLOUR MILLS CO., NEWTON, KANSAS. Wheat Bran with Screenings, -----	Waynesburg Milling Co., Waynesburg.	8.72	16.50	14.00
5981	THE GOLDSBORO PURE FEED CO., GOLDSBORO, PA. Wheat Bran, -----	The Goldsboro Pure Feed Co., Goldsboro.	9.85	17.13	-----
6726	GREENCASTLE MILLING CO., GREENCASTLE, PA. *Wheat Bran, -----	Greencastle Milling Co., Greencastle.	8.52	16.88	-----
6430	HECKER-JONES-JEWELL MILLING CO., BUFFALO, N. Y. Choice Wheat Bran with trace of Screenings.	Eulalia Milling Co., Inc., Coudersport.	10.95	14.13	13.00
6556	R. R. IKELER, BLOOMSBURG, PA. Wheat Bran, -----	R. R. Ikeler, Bloomsburg,	9.57	12.38	-----
6541	INTERNATIONAL MILLING CO., MINNEAPOLIS, MINN. *Black Hawk Pure Wheat Bran, ----	John G. Emert, Somerset, Washington Grain & Feed Co., Washington.	9.07 10.75	14.69 15.00	13.30 13.30
6591	*Black Hawk Pure Wheat Bran, ----				
		Average, -----	9.91	14.85	-----
5966	THE KANSAS FLOUR MILLS CO., KANSAS CITY, MO. Wheat Bran and Wheat Screenings,	John Golde, Latrobe, ----	8.50	17.50	14.50

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.18	5.00	7.05	9.00	3 40	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	6270
6.15	-----	9.92	-----	2 50	-----	Wheat bran, -----	6800
4.73	4.50	10.07	10.75	3 30	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	6515
5.18	4.19	9.87	12.70	55 00	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	5943
5.20	3.40	10.22	12.00	3 30	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	6608
4.63	4.00	9.70	11.00	2 75	Wheat bran with re-cleaned ground wheat screenings not exceeding mill run.	As certified, -----	6715
4.24	3.50	9.75	11.00	2 65	Wheat bran and not to exceed 8% ground wheat screenings.	As certified, -----	5874
4.38	-----	6.97	-----	52 00	-----	Wheat bran, -----	5981
4.05	-----	9.94	-----	2 50	-----	Wheat bran and small amount of ground grain screenings.	6726
5.10	5.00	10.00	12.75	3 30	Choice wheat bran with trace of screenings.	As certified, -----	6480
4.20	-----	8.90	-----	3 25	Made from winter wheat.	As certified, -----	6556
4.88	2.50	9.22	12.00	3 50	-----	Wheat bran, -----	6541
4.98	2.50	9.60	12.00	3 15	-----	Wheat bran, -----	6591
4.98	-----	9.41	-----	2 33	-----	-----	-----
4.58	3.50	10.22	11.00	2 50	Wheat bran and wheat screenings not exceeding mill run.	As certified. -----	5966

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled from	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
5942	THE KANSAS MILLING CO., WICHITA, KANS. Wheat Bran with Mill Run Screenings.	Johnston & Smith, Wilkinsburg.	9.20	17.38	15.50
6647	THE K. B. R. MILLING CO., MARQUETTE, KANS. Wheat Bran and Wheat Screenings,	Boyd Milling Co., Sharon,	8.40	15.88	14.50
6411	KEHLOR FLOUR MILLS CO., ST. LOUIS, MO. Palace Bran, -----	Christiana Grain & Supply Co., Christiana.	8.75	16.13	14.50
6742	Palace Bran, -----	Co-operative Grange Milling Co., Titusville.	8.40	18.63	14.50
6136	Palace Bran, -----	E. L. Smith & Co., Union City.	9.50	17.75	14.50
		Average, -----	8.81	17.50	-----
6851	J. B. A. KERN & SONS, MIL- WAUKEE, WIS. Kern's Wheat Bran with Ground Screenings not Exceeding Mill Run.	T. F. Wilson, Irwin, ----	7.90	15.94	13.00
6836	LAGRANGE MILLS, RED WING, MINN. Pure Fancy Coarse Wheat Bran, ---	A. K. Kulp, Pottstown,---	8.20	15.25	14.00
6425	THE LARABEE FLOUR MILLS CORPORATION, WILLINGTON, KAS. Wheat Bran with Mill Run Screenings not to exceed 8%.	Emporium Milling Co., Emporium.	9.50	16.63	15.00
6284	Wheat Bran with Mill Run Screenings not to exceed 8%.	Smith Brothers Co., Ridgway.	8.52	15.00	15.00
		Average, -----	9.01	15.82	-----
6053	LAWRENCEBURG ROLLER MILLS CO., LAWRENCEBURG, IND. Snowflake Bran, -----	Wm. H. Dunlap, Jr., Canonsburg.	9.42	16.63	14.50
6328	LYCOMING FLOUR MILLS, WIL- LIAMSPORT, PA. *Wheat Bran, -----	Lycoming Flour Mills, Williamsport.	8.42	16.58	-----
6542	THE MANSFIELD MILLING CO., INC., MANSFIELD, OHIO. Overcoat Pure Wheat Bran, -----	H. C. Berrits Sons, Somersel.	8.55	15.63	14.00
6567	Overcoat Pure Wheat Bran, -----	The White Milling Co., Bloomsburg.	8.57	14.75	14.00
		Average, -----	8.56	15.19	-----
6848	JOHN F. MAYER & SONS MILLING CO., SPRINGFIELD, MO. *Albatross Bran, -----	Keystone Supply Co., Jeannette.	8.25	17.81	15.56
6072	MILLBOURNE MILLS, PHILADEL- PHIA, PA. Pure Wheat Bran, -----	V. E. Bond Estate, Upper Darby.	7.60	16.56	13.14

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.50	3.50	8.70	5.50	2 85	Wheat bran with mill run screenings not exceeding 8%.	As certified, -----	5942
1.63	3.50	8.30	10.00	3 15	Wheat bran and wheat screenings not to exceed 8% screenings.	As certified, -----	6647
4.38	4.00	8.42	10.00	63 00	Manufactured from soft wheat.	As certified, -----	6411
4.45	4.00	9.57	10.00	2 50	Manufactured from wheat.	As certified, -----	6742
4.60	4.00	8.62	10.00	2 65	Manufactured from pure hard wheat.	As certified, -----	6186
4.64	-----	8.87	-----	55 33			
5.15	4.00	10.79	13.00	2 60	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	6851
5.75	2.80	9.37	14.80	2.35	-----	Wheat bran, -----	6836
4.52	3.50	7.95	10.00	3 60	Wheat bran with mill run screenings not to exceed 8%.	Wheat bran, -----	6425
4.28	3.50	9.82	10.00	4 00	Wheat bran with mill run screenings not to exceed 8%.	Wheat bran, -----	6284
4.42	-----	8.89	-----	3 80			
4.28	2.50	10.50	9.80	53 00	Pure wheat product with ground screenings not exceeding mill run.	As certified, -----	6053
3.80	-----	6.92	-----	3 25	-----	Wheat bran, -----	6328
4.25	4.00	8.90	10.00	3 40	Pure wheat bran, -----	Wheat bran and small amount ground grain screenings.	6542
5.05	4.00	9.60	10.00	3 25	-----	Wheat bran, -----	6567
4.65	-----	9.25	-----	5.33	-----		
4.52	4.16	9.08	9.28	2 25	Soft wheat bran with mill run screenings not exceeding 8%.	As certified, -----	6848
4.83	4.00	10.12	10.00	-----	Made from spring wheat.	As certified, -----	6072

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6503	Pure Wheat Bran, -----	C. C. Hiple & Son, West Chester, Average, -----	% 8.72	% 16.06	% 13-14
	MINER-HILLARD MILLING CO., WILKES-BARRE, PA.		8.16	16.31	-----
6748	Choice Wheat Bran, -----	Miner-Hillard Milling Co., Plymouth.	8.55	14.44	17-20
	NATIONAL FEED CO., ST. LOUIS, MO.				
6410	Pure Wheat Bran, -----	Christiana Grain & Supply Co., Christiana.	9.40	16.88	14.50
6629	Pure Wheat Bran, -----	The Cook Grain, Feed & Supply Co., Dillsburg.	9.32	14.94	14.50
	WILLIS NORTON & CO., TOPEKA, KANS.	Average, -----	9.36	15.91	-----
6846	Wheat Bran and Screenings, -----	Keystone Supply Co., Jeannette.	8.25	15.62	14.50
	OMAHA FLOUR MILLS CO., OMAHA, NEB.				
5793	"Omar" Pure Wheat Bran, -----	Brown & Fassett, Tunkhannock.	10.30	18.00	14.50
	THE ORRVILLE MILLING CO., ORRVILLE, OHIO.				
6306	*Pure Winter Wheat Bran, -----	Johnston & Hamilton, Parnassus.	10.65	15.38	13.30
	PILLSBURY FLOUR MILLS CO., MINNEAPOLIS, MINN.				
6758	Pillsbury's Wheat Bran with Ground Screenings not exceeding Mill Run,	Seureman Milling Co., Wilkes-Barre.	8.12	14.06	13.00
6514	Pillsbury's Wheat Bran with Ground Screenings not exceeding Mill Run,	Tionesta Milling Co., Tionesta.	9.92	16.38	13.00
	THE RICHARDS & EVANS CO., CORTLAND, OHIO.	Average, -----	9.02	15.22	-----
6644	*Pure Wheat Bran, -----	J. M. Porter, Sharon, ---	8.25	16.06	-----
	ROBIN HOOD MILLS, LTD., MOOSE JAW, CANADA.				
5797	Robin Hood Wheat Bran, -----	C. B. Tyler, Tunkhannock,	8.52	16.88	14.00
	THE ROBINSON MILLING CO., SALINA, KAN.				
6548	Wheat Bran and Screenings, -----	H. W. Walker Co., Somerset.	10.20	15.13	14.50
	RUSSELL-MILLER MILLING CO., MINNEAPOLIS, MINN.				
5976	Bran, -----	Joseph Burkholder, Hummelstown.	8.22	18.50	13.00
	SHEFFIELD-KING MILLING CO., MINNEAPOLIS, MINN.				
5989	Fancy Brodflake Wheat Bran and Ground Wheat Screenings.	Muth Brothers, Elizabethtown.	9.30	15.81	13.50
	THE SLEEPY EYE MILLS, SLEEPY EYE, MINN.				
6522	Wheat Bran and Screenings, -----	J. H. Lavery's Sons Franklin.	10.04	15.63	13.50

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
% 4.68	% 4.00	% 9.47	% 10.00	\$ 3 40	Manufactured from soft winter wheat.	Wheat Bran, -----	6503
4.76	-----	9.79	-----	3 40			
4.41	4-6	8.90	8-10	2 50	Wheat bran with screenings not exceeding mill run.	As certified, -----	6748
4.20	4.00	8.80	10.00	63.00	Pure wheat bran, -----	As certified, -----	6410
4.53	4.00	9.67	10.00	3 15	Pure wheat bran, -----	As certified, -----	6629
4.87	-----	8.98	-----	32 00			
4.78	3.50	9.60	10.00	2 25	Wheat bran and screenings not to exceed 8% screenings.	As certified, -----	6846
4.71	3.50	9.32	11.00	2 75	-----	Wheat bran, -----	5792
4.43	2.50	8.45	12.30	3 15	-----	Wheat bran, -----	6306
5.90	4.00	11.15	13.00	2 50	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	6758
4.63	4.00	10.50	13.00	3 30	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	6514
5.27	-----	10.82	-----	2 90			
4.23	-----	9.95	-----	3 50	-----	Wheat bran, -----	6644
6.29	3.00	10.12	12.00	2 60	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	5797
4.38	3.50	9.95	11.00	3 40	Wheat bran and screenings not to exceed 8% wheat screenings.	As certified, -----	6548
5.13	4.00	9.75	11.00	2.65	Bran made from wheat only.	As certified, -----	5976
5.15	4.00	10.07	12.75	2 60	Wheat bran and ground wheat screenings.	As certified, -----	5989
4.89	3.20	10.30	13.40	64 00	Wheat bran and wheat screenings not exceeding mill run.	As certified, -----	6522

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	THE SOUTHWESTERN MILLING CO., INC., KANSAS CITY, MO.		%	%	%
5917	Red Turkey Pure Wheat Bran, -----	Edw. F. Bracken, Paoli,	8.67	18.50	14.50
6482	Red Turkey Pure Wheat Bran, -----	A. C. Godshall & Co., Inc., Lansdale.	7.90	17.19	14.50
6101	Red Turkey Pure Wheat Bran, -----	S. E. Shenk & Sons, Newville.	8.35	17.25	14.50
5840	Red Turkey Pure Wheat Bran, -----	G. R. Thompson, Gettysburg.	8.77	18.94	14.50
	Average, -----		8.42	17.97	-----
	SPANOGLE-YEAGER MILLING CO., LEWISTOWN, PA.				
6353	Pure Wheat Bran, -----	Spanogle-Yeager Milling Co., Lewistown.	9.50	16.56	-----
	STANDARD-TILTON MILLING CO., ST. LOUIS, MO.				
5850	Liberty Bond Wheat Bran with Screenings not exceeding Mill Run,	J. H. Duttera, New Oxford.	8.85	18.88	14.50
	DABID STOTT FLOUR MILLS INC., DETROIT, MICH.				
6433	Spring Wheat Bran and Wheat Screenings.	Eulalia Milling Co., Inc., Coudersport.	11.65	15.63	14.50
	CHARLES TIEDEMANN MILLING CO., O'FALLON, ILL.				
6085	Buttercup Wheat Bran with Ground Screenings.	Simpson Brothers, Norristown.	7.97	19.44	15.00
	TOPEKA FLOUR MILLS CO., TOPEKA, KAN.				
6506	K-Y Wheat Bran and Screenings, ----	Pamona No. 3 Exchange, West Chester.	9.67	16.69	14.50
	WASHBURN-CROSBY CO., MINNEAPOLIS, MINN.				
6205	Wheat Bran with Ground Screenings not exceeding Mill Run.	William Gates Estate, Kittinging.	9.52	15.00	12.00
6201	Wheat Bran with Ground Screenings not exceeding Mill Run.	Herzog Milling Co., Smethport.	8.90	16.44	13.00
	Average, -----		9.21	15.72	-----
	WELLS-ABBOTT-NIEMAN CO., SCHUYLER, NEB.				
6192	Pure Wheat Bran, -----	Henry S. Beidler, Doylestown.	8.95	18.19	15.50
	WESTERN FLOUR MILL CO., DAVENPORT, IOWA.				
6490	Black Hawk Wheat Bran with Ground Screenings not exceeding Mill Run.	Edward F. Bracken, Newtown Square.	9.17	15.75	13.30
	THE WHITE MILLING CO., BLOOMSBURG, PA.				
6565	*Wheat Bran, -----	The White Milling Co., Bloomsburg.	9.52	14.25	-----
	Total average, -----		8.99	16.32	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.50	4.00	9.17	11.80	2 80	-----	Wheat bran, -----	5917
4.58	4.00	9.70	11.80	3 30	-----	Wheat bran, -----	6482
4.63	4.00	9.05	11.80	52 00	-----	Wheat bran, -----	6101
4.54	4.00	9.15	11.80	2 45	-----	What bran, -----	5840
4.56	-----	9.26	-----	55 75			
4.38	-----	8.97	-----	3 20	-----	Wheat bran, -----	6353
4.82	4.00	9.57	9.50	2 50	Wheat bran with screenings not exceeding mill run.	As certified, -----	5880
4.55	4.00	9.07	12.50	3 30	Wheat bran with ground clean wheat screenings.	As certified, -----	6433
4.85	3.40	9.02	10.50	2 70	From soft red winter wheat with ground screenings not exceeding mill run.	As certified, -----	6085
4.63	3.50	9.22	11.00	3 30	-----	Wheat bran, screenings and trace of linseed oil meal.	6506
4.58	4.00	9.20	13.00	3 15	Wheat bran with ground screenings not exceeding mill run.	Wheat bran, -----	6305
4.60	4.00	9.70	13.00	3 00	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	6201
4.59	-----	9.50	-----	3 08			
4.43	3.50	9.25	12.80	3 00	Pure wheat bran, -----	As certified, -----	6192
4.95	3.00	8.31	12.00	3 50	Wheat bran with ground screenings not exceeding mill run.	As certified, -----	6490
4.33	-----	6.97	-----	3 25	-----	Wheat bran, -----	6565
4 68	-----	9.31	-----	59 02			

TABLE III.—ANALYSES OF SAMPLES OF

Chemists' number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	MIXED FEED: WHEAT BY-PRODUCTS.		%	%	%
	(With and without ground grain screenings.)				
6792	BIG DIAMOND MILLS CO., MINNEAPOLIS, MINN. Big Diamond Wheat Mixed Feed, ----	C. A. Jayne, Skinners Eddy.	9.35	16.31	16.50
5803	CAPITAL CITY MILLING & GRAIN CO., ST. PAUL, MINN. St. Paul Queen Fine Ground Mixed Feed.	Braddock Feed & Supply House, Braddock.	10.07	16.75	16.60
5866	DAYTON MILLING CO., TOWANDA, PA. *Wheat Feed, -----	Brown & Fassett, Montrose.	9.49	17.38	-----
6805	*Wheat Feed, -----	Dayton Milling Company, Towanda.	7.25	16.19	-----
		Average, -----	8.37	16.79	-----
5978	DULUTH-SUPERIOR MILLING CO., DULUTH MINN. Boston Mixed Feed, -----	Joseph Burkholder, Hummelstown.	9.10	17.69	16.00
6163	EVERTTT-AUGHENBAUGH & CO., WASECA, MINN. E-A Co. Mixed Feed, -----	Centre Milling Co., Phillipsburg.	8.75	18.25	15.00
6125	HECKER-JONES-JEWELL MILLING CO., BUFFALO, N. Y. Standard Middlings with Mill Run Screenings.	Miller & Parsons, Corry,	11.25	19.19	14.00
5860	NATIONAL MILLING CO., TOLEDO, OHIO. *National Feed, -----	Brown & Fassett, Montrose.	10.45	17.19	15.00
6090	RUSSELL-MILLER MILLING CO., MINNEAPOLIS, MINN. Occident Wheat Feed, -----	A. B. Harnish, Mechanicsburg.	9.32	17.44	15.00
	WHEAT MIDLINGS.	Total Average, -----	9.42	17.38	-----
	(With and without ground grain screenings.)				
	STANDARD WHEAT MIDLINGS.				
5882	BAY STATE MILLING CO., WINONA, MINN. Bay State Durum Wheat Middlings and Mill Run Screenings.	Banner Flour Mills, Fairchance.	9.50	17.13	15.50

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.87	3.60	8.17	9.95	2 90	Wheat bran, wheat flour middlings and ground screenings not exceeding mill run.	As certified, -----	6792
5.05	4.30	6.42	12.30	46.00	Reground wheat bran middlings and mill run ground wheat screenings.	As certified, -----	5803
4.82	-----	8.37	-----	3 00	Manufactured from soft winter wheat.	Wheat bran and wheat middlings.	5866
4.95	-----	8.81	-----	2 60	Manufactured from soft winter wheat.	Wheat bran and middlings and small amount ground grain screenings, largely corn cackle.	6805
4.89	-----	8.59	-----	2 80			
5.53	5.00	7.32	9.50	2 80	Composed of wheat bran, wheat middlings, low grade flour, with ground screenings not exceeding mill run.	As certified, -----	5978
5.15	3.00	8.17	13.00	3 25	Wheat bran, wheat middlings, and ground screenings not exceeding mill run.	As certified, -----	6163
6.05	5.00	7.75	10.00	3 00	Standard middlings with mill run screenings.	Wheat bran, wheat middlings and mill run screenings.	6125
4.67	3.75	8.12	10.00	2 80	Wheat bran and middlings with ground screenings not exceeding mill run.	As certified, -----	5860
5.63	4.50	8.85	10.00	3 00	Mill run of bran, middlings and red dog.	As certified, -----	6090
5.19	-----	7.99	-----	57 00			
7.25	5.00	8.60	11.50	3 25	Durum wheat middlings and mill run screenings.	As certified, -----	5882

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
5950	THE CLEVELAND MILLING CO., CLEVELAND, OHIO. Standard Middlings with Ground Screenings not exceeding Mill Run.	McFarland Supply Co., Greensburg.	9.82	19.62	20.00
6658	Standard Middlings with Ground Screenings not exceeding Mill Run.	J. B. Roux, Farrehr, ----	10.20	16.31	13.00
		Average, -----	10.01	18.00	-----
6754	EAGLE ROLLER MILLS CO., NEW ULM, MINN. Standard Wheat Middlings with Ground Screenings not exceeding Mill Run.	Seurenman Milling Co., Wilkes-Barre.	8.25	14.56	14.00
6474	INTERNATIONAL MILLING CO., NEW PRAGUE, MINN. *Wheat Standard Middlings, -----	DuBois Milling Co., Du- Bois.	10.45	16.38	14.00
6091	MAYFLOWER MILLS, FORT WAYNE, IND. Mayflower Middlings, with Ground Screenings not exceeding Mill Run.	A. B. Harnish, Mechanics- burg.	10.65	16.25	14.00
6423	THE NORTHWESTERN CONSOLI- DATED MILLING CO., MINNE- APOLIS, MINN. Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.	Emporium Milling Co., Emporium.	10.25	14.88	15.00
5944	Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.	Hershey Chocolate Co., Hershey.	10.57	17.38	15.00
		Average, -----	10.41	16.13	-----
470	NORTHWESTERN MILLING CO., LITTLE FALLS, MINN. Fancy Country Wheat Middlings with Ground Screenings not exceeding Mill Run.	F. M. Timlin, DuBois, --	10.60	15.63	14.80
6646	SHEFFIELD-KING MILLING CO., MINNEAPOLIS, MINN. Wheat Flour Middlings and Ground Screenings.	Boyd Milling Co., Sharon,	9.62	16.50	16.00
5977	WASHBURN-CROSBY CO., MINNE- APOLIS, MINN. Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.	Joseph Burkholder, Hum- melstown.	10.50	18.50	14.00
6203	Wheat Standard Middlings with Ground Screenings not exceeding Mill Run.	Wm. Gates Estate, Kittan- ning.	10.57	16.44	14.00
		Average, -----	10.52	17.47	-----
5924	THE WESTERN STAR MILL CO., SALINA, KAN. Star Winter Wheat Middlings, -----	J. E. Pritts, Scottdale,--	9.77	19.25	16.00
5819	WISCONSIN MILLING CO., ME- NOMONIE, WIS. *Wheat Standard Middlings, -----	Thompson & Glenn, Butler,	9.90	18.44	15.33
		Total average, -----	10.04	16.95	-----

* Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	#			
4.73	4.00	6.96	9.00	3 60	Made from wheat with ground screenings not exceeding mill run.	As certified, -----	5950
4.18	4.00	7.25	9.00	3 70	Made from wheat with ground screenings not exceeding mill run.	As certified, -----	6658
4.61	-----	7.07	-----	3 35			
5.91	4.00	9.72	11.00	2 50	Wheat middlings with ground screenings not exceeding mill run.	As certified, -----	6754
4.68	3.60	8.05	9.50	3 60	Wheat middlings with ground screenings not exceeding mill run.	As certified, -----	6474
4.58	4.00	8.32	9.50	3 00	Pure wheat product with ground screenings not exceeding mill run.	As certified, -----	6091
4.70	4.50	10.02	11.00	4 10	Wheat standard middlings with ground screenings not exceeding mill run.	As certified, -----	6423
4.90	4.50	8.60	11.00	60 00	Wheat standard middlings with ground screenings not exceeding mill run.	As certified, -----	5944
4.50	-----	9.51	-----	71 00			
4.63	4.50	9.37	11.00	3 50	Wheat middlings with ground screenings not exceeding mill run.	As certified, -----	6470
5.98	5.00	9.17	10.50	3 90	Wheat flour middlings with ground screenings not exceeding mill run.	As certified, -----	6646
5.90	4.00	8.13	11.00	3 00	Wheat Standard middlings with ground screenings not exceeding mill run.	As certified, -----	5977
4.83	4.00	7.73	11.00	3.40	Wheat Standard middlings with ground screenings not exceeding mill run.	As certified, -----	6303
5.37	-----	7.93	-----	3.20			
5.33	4.00	7.97	5.50	2 90		Standard wheat middlings. As certified, -----	5924 5819
4.96	5.56	7.03	9.03	55.00	Wheat Standard middlings with ground screenings not exceeding mill run.		
5.17	-----	8.34	-----	65 14			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	WHEAT SHORTS.		%	%	%
6571	ASH BROTHERS, BRIAR CREEK, PA. *Wheat Middlings, -----	Ash Brothers, Briar Creek,	11.97	14.19	-----
6743	AUNT JEMIMA MILLS CO., ST. JOSEPH, MO. Aunt Jemima Shorts, -----	Co-operative Grange Milling Co., Titusville.	11.15	16.94	16.00
6544	BAY STATE MILLING CO., WINONA, MINN. Bay State Wheat Middlings and Wheat Screenings.	H. C. Berrit's Sons, Somerset.	11.30	15.81	15.90
5970	THE CAPITAL MILLING CO., COLUMBUS, OHIO. *Purity Wheat Middlings, -----	R. S. Altman, Irwin, ----	11.45	17.88	13.60
6316	CITY FLOURING MILLS, INC., MUNCY, PA. *Wheat Middlings, -----	City Flouring Mills, Inc., Muncy.	10.02	15.69	-----
5843	THE CLEVELAND MILLING CO., CLEVELAND, OHIO. Special Fine Middlings with Ground Screenings not exceeding Mill Run.	C. M. Wolf, Gettysburg,	10.60	17.50	15.00
6709	DAYTON MILLING COMPANY, TOWANDA, PA. *Dayton's Wheat Middlings, -----	Dayton Milling Company, Towanda.	9.82	18.44	-----
6806	*Dayton's Wheat Middlings, -----	Dayton Milling Company, Towanda.	10.12	15.13	-----
		Average, -----	9.97	16.79	-----
5985	THE GOLDSBORO PURE FEED CO., GOLDSBORO, PA. Wheat Middlings, -----	The Goldsboro Pure Feed Co., Goldsboro.	11.70	18.88	-----
6725	GREENCASTLE MILLING CO., GREENCASTLE, PA. *Pure Wheat Middlings, -----	Greencastle Milling Co., Greencastle.	10.25	15.14	-----
6555	R. R. IKELER, BLOOMSBURG, PA. *Wheat Middlings, -----	R. R. Ikeler, Bloomsburg,	10.10	16.31	-----
6152	THE INDEPENDENT MILLING CO., KINGMAN, KAN. Standard Wheat Shorts, -----	J. O. Reed, Phillipsburg,	11.82	18.50	16.00
6191	THE KIMBALL MILLING CO., KANSAS CITY, MO. *Pure Grey Wheat Shorts, -----	Henry S. Beidler, Doylestown.	10.92	17.56	16.50
6327	LYCOMING FLOUR MILLS, WILLIAMSPORT, PA. *Wheat Middlings, -----	Lycoming Flour Mills, Williamsport.	9.80	15.81	-----
6615	MANEY MILLING CO., OMAHA, NEB. Pure Wheat Shorts, -----	Fales Grocery Co., ----- Reynoldsville.	10.85	18.81	16.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemists' number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	¢			
4.10	-----	4.70	-----	3 90	Made from new wheat,--	Wheat middlings, -----	6571
3.95	3.50	4.80	8.00	3 50	Wheat shorts, -----	As certified, -----	6748
5.15	4.00	6.72	7.50	3 75	Wheat middlings with ground screenings not exceeding mill run.	As certified, -----	6544
4.43	4.50	6.42	8.40	3 25	Wheat middlings containing screenings not exceeding mill run.	As certified, -----	5970
4.25	-----	5.65	-----	3 50	-----	Wheat middlings, -----	6316
5.63	5.00	4.57	6.00	3 50	Fine middlings with ground screenings not exceeding mill run.	As certified, -----	5842
6.38	-----	5.80	-----	2 70	-----	Wheat middlings, -----	6799
4.06	-----	4.91	-----	3 10	-----	Wheat middlings and small amount ground grain screenings.	6806
5.22	-----	5.85	-----	2 90	-----	-----	-----
5.55	-----	5.12	-----	3 60	-----	Wheat middlings, -----	5985
5.03	-----	5.69	-----	2 80	-----	Wheat middlings and small amount of ground grain screenings.	6725
5.85	-----	5.17	-----	3 75	Made from winter wheat,	As certified, -----	6555
4.38	3.50	5.90	5.50	3 25	Wheat shorts and wheat scourings and screenings not to exceed 10% wheat scourings and screenings.	As certified, -----	6152
4.13	3.75	5.70	5.50	3 40	Wheat shorts, -----	As certified, -----	6191
7.70	-----	4.27	-----	3 75	-----	Wheat middlings, -----	6327
5.13	5.00	5.30	5.50	3 65	-----	Wheat shorts, -----	6015

TABLE III.--ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
6566	THE MANSFIELD MILLING CO., INC., MANSFIELD, OHIO. Money Maker Wheat Middlings and Ground Screenings not exceeding Mill Run.	The White Milling Co., Bloomsburg.	10.32	16.81	15.00
5881	THE MARION NATIONAL MILL CO., MARION, OHIO. Middlings, -----	Banner Flour Mills, Fair- chance.	11.50	17.69	14.40
6118	MAUSDALE ROLLER MILLS, MAUSDALE, PA. *Wheat Middlings, -----	Mausdale Roller Mills, Mausdale.	11.50	15.38	-----
6320	MOUNTAIN CITY MILLS, FRED- ERICK, MD. Wheat Middlings with Mill Run of Screenings.	King & Co., Williamsport,	9.92	16.69	16.00
6679	THE ORRVILLE MILLING CO., ORRVILLE, OHIO. *Pure Winter Wheat Middlings, -----	Fay Milling Co., Hollid- aysburg,	9.67	17.19	16.60
6265	THE SOUTHWESTERN MILLING CO., INC., KANSAS CITY, MO. Red Turkey Wheat Brown Shorts & Wheat Scourings.	Leibovitz Feed Mills, Al- toona	10.35	17.19	15.00
3254	SPANOGLE-YEAGER MILLING CO., LEWISTOWN, PA. White Middlings, Wheat Middlings,	Spanogle-Yeager Milling Co., Lewistown.	11.75	16.25	12.16
6656	STAR & CRESCENT MILLING CO., CHICAGO, ILL. Crescent White Wheat Middlings, ---	Matthews Brothers, Green- ville.	10.42	17.19	16.00
6310	JESSE C. STEWART, PITTS- BURGH, PA. *Wheat Middlings, -----	B. Linder, New Kensing- ton.	10.50	16.44	-----
6021	STOKES MILLING CO., WATER- TOWN, S. DAK. Standard Shorts with Ground Screen- ings not exceeding Mill Run.	Monaca Roller Mills, Mon- aca.	10.25	18.75	16.00
6564	THE WHITE MILLING CO., BLOOMSBURG, PA. *Wheat Middlings, -----	The White Milling Co., Bloomsburg.	10.97	15.94	-----
6149	WOLF MILLING CO., ELLING- WOOD, KAN. *Standard Shorts and Screenings, --	J. O. Reed, Philipsburg,	11.35	18.38	16.00
	WHEAT FLOUR MIDDLINGS.	Total average, -----	10.75	16.89	-----
6481	ATLAS FLOUR MILLS, MILWAU- KEE, WIS. *Atlas Wheat Flour Middlings, -----	A. C. Godshall & Co., Inc., Lansdale.	9.95	16.56	14.50

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.78	4.00	5.62	8.00	3 25	Wheat middlings and ground screenings not exceeding mill run.	As certified, -----	6566
5.23	4.93	6.85	6.95	3 50	Pure product of wheat.	As certified, -----	5881
4.55	-----	4.15	-----	3 25	-----	Wheat middlings, -----	6118
4.70	4.00	5.62	5.00	-----	Wheat middlings with mill run of screenings.	As certified, -----	6320
5.43	4.80	5.90	8.30	4 00	-----	Wheat middlings, -----	6679
4.70	4.20	7.00	8.50	3 50	Wheat brown shorts containing not more than 5% of wheat scourings.	As certified, -----	6265
4.15	3-6	4.45	6-8	3 90	-----	Wheat middlings and ground Kaffir corn and small amount of ground grain screenings.	6354
4.65	4.50	3.80	6.00	3 60	-----	Wheat middlings, -----	6656
4.35	-----	5.82	-----	4 00	-----	Wheat middlings and small amount ground grain screenings.	6310
5.05	5.20	6.02	8.00	3 00	Standard shorts with ground screenings not exceeding mill run.	As certified, -----	6021
4.48	-----	4.85	-----	3 75	-----	Wheat middlings, -----	6564
4.55	3.50	6.12	6.50	3.50	Standard shorts and screenings (screenings not to exceed 8%).	As certified, -----	6149
4.83	-----	5.44	-----	3 49	-----	-----	-----
4.48	3.00	6.92	9.00	3 50	Wheat flour middlings with ground screenings not exceeding mill run.	As certified, -----	6481

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
6638	BIG DIAMOND MILLS CO., MINNEAPOLIS, MINN. Big Diamond Wheat Flour Middlings,	John B. Curry Estate, Swatara.	9.92	16.41	16.00
6583	CRISTIAN MILLS, MINNEAPOLIS, MINN. Matchless Wheat Flour Middlings Ground Screenings not exceeding Mill Run.	C. S. Hunter Co., Washington.	10.47	17.19	16.50
5820	CLARO MILLING CO., LAKEVILLE, MINN. Claro Wheat Middlings with Ground Screenings.	Thompson & Glenn, Butler,	10.92	19.38	15.00
5781	COMMANDER MILL CO., MINNEAPOLIS, MINN. Commander Flour Middlings with Ground Screenings not exceeding Mill Run.	A. Skelly, Ebensburg, -----	10.42	17.19	16.00
6582	B. A. ECKHART MILLING CO., CHICAGO, ILL. Flour Middlings, -----	C. S. Hunter Co., Washington.	9.42	17.31	15.00
6164	EVERETT-AUGHENBAUGH & CO., WASECA, MINN. E-A Co. Wheat Middlings, -----	Centre Milling Co., Phillipsburg.	10.80	18.56	15.00
6649	KEHLOR FLOUR MILLS CO., ST. LOUIS, MO. Illmo Middlings, -----	Boyd Milling Co., Sharon,	9.85	16.50	17.00
6502	MILLBOURNE MILLS, PHILADELPHIA, PA. Millbourne Flour Middlings, -----	C. O. Hipple & Son, West Chester.	11.05	16.44	15.00
6540	NEW PRAGUE FLOUR MILLS CO., NEW PRAGUE, MINN. Seal of Minnesota Wheat Flour Middlings.	John G. Emert, Somerset,	10.70	16.13	15.50
6217	PILLSBURY FLOUR MILLS CO., MINNEAPOLIS, MINN. Wheat Middlings, -----	L. A. Fischer & Co., Bradford.	10.55	18.75	15.00
6343	Wheat Middlings, -----	Keystone Mills Co., Fredericktown.	11.00	17.13	15.00
		Average, -----	10.77	17.94	-----
5859	RUSSELL-MILLER MILLING CO., MINNEAPOLIS, MINN. Alta Pure Wheat Middlings, -----	Brown & Fassett, Montrose.	10.12	19.06	15.00
6249	Alta Pure Wheat Middlings, -----	Huntingdon Milling Co., Huntingdon.	10.85	19.94	15.00
		Average, -----	10.48	19.50	-----

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.50	4.50	6.30	8.90	3 50	Wheat flour middlings with ground screenings not exceeding mill run.	As certified, -----	6638
3.85	5.50	5.67	6.00	4 00	Wheat flour middlings with ground screenings not exceeding mill run	As certified, -----	6583
5.35	3.00	7.12	10.00	56 00	Standard and flour middlings, red dog and ground screenings not exceeding mill run.	As certified, -----	5820
4.75	5.00	6.20	8.00	3 60	Flour middlings with ground screenings not exceeding mill run.	As certified, -----	5781
4.88	4.00	4.55	7.00	4 00	-----	Wheat flour middlings,	6582
5.43	3.00	6.65	10.00	3 50	Standard and flour middlings and ground screenings not exceeding mill run.	As certified, -----	6164
3.98	4.00	5.75	4.00	4 25	Manufactured from flour wheat middlings and ground screenings not to exceed mill run.	As certified, -----	6649
4.03	4.00	6.52	8.00	3 75	Flour middlings with ground screenings not exceeding mill run.	As certified, -----	6502
4.05	3.50	3.60	5.25	4 15	Wheat middlings with ground screenings not exceeding mill run.	As certified, -----	6540
5.00	4.00	6.40	8.00	3 80	Standard B middlings and low grade flour with ground screenings not exceeding mill run.	As certified, -----	6217
4.23	4.00	5.02	8.00	3 75	Standard B middlings and low grade flour with ground screenings not exceeding mill run.	As certified, -----	6343
4.62	-----	5.71	-----	3 78			
6.01	4.50	7.15	8.50	3 10	Mill run of standard middlings and flour middlings mixed.	As certified, -----	5859
5.55	4.50	6.32	8.50	3.75	Mill run of standard middlings and flour middlings mixed.	As certified, -----	6249
5.78	-----	6.73	-----	3 43			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
6491	SHANE BROTHERS & WILSON CO., MINNEAPOLIS, MINN. Snowball Wheat Flour Middlings with Ground Wheat Screenings not Exceeding Mill Run.	Edward F. Bracken, New-town Square.	11.50	17.33	16.00
6460	Snowball Wheat Flour Middlings with Ground Wheat Screenings not Exceeding Mill Run.	Kline's Sifter Mills, Brookville.	10.22	15.69	16.50
		Average, -----	10.86	16.54	-----
5852	WASHBURN-CROSBY CO., MINNEAPOLIS, MINN. Wheat Flour Middlings with Ground Screenings not Exceeding Mill Run.	J. H. Duttera, New Oxford.	10.35	17.75	15.00
6304	Wheat Flour Middlings with Ground Screenings not Exceeding Mill Run.	Wm. Gates Estate, Kittanning.	11.05	17.75	15.00
5987	Wheat Flour Middlings with Ground Screenings not Exceeding Mill Run.	The Goldsboro Pure Feed Co., Goldsboro.	9.92	18.19	15.00
		Average, -----	10.44	17.90	-----
6012	WESTERN FLOUR MILL CO., DAVENPORT, IOWA. Blackhawk Wheat Flour Middlings,--	Crescent Flour & Feed Co., Punxsutawney.	11.95	17.44	15.50
6363	YERXA-ANDREWS & THURSTON, INC., MINNEAPOLIS, MINN. Golden Durum Wheat Flour Middlings.	John T. Rogers, MeVeytown.	11.07	17.44	15.00
		Total average, -----	10.57	17.53	-----
	LOW GRADE FLOUR.				
6301	CANNON VALLEY MILLING CO., CANNON FALLS, MINN. *Billie Low Grade, -----	J. A. Gault Co., Kittanning.	12.52	18.31	18.00
5782	COMMANDER MILL CO., MINNEAPOLIS, MINN. *Battleship Low Grade, -----	A. Skelly, Ebensburg, ---	10.62	19.06	16.50
6807	DAYTON MILLING COMPANY, TOWANDA, PA. *Red Dog, -----	Dayton Milling Company, Towanda.	11.55	15.63	-----
5789	EMPIRE MILLING CO., MINNEAPOLIS, MINN. *Ivanho Low Grade, -----	Brown & Fassett, Tunkhannock.	10.89	19.25	18.60
6853	KEYSTONE SUPPLY CO., JEANETTE, PA. *Red Dog, -----	T. F. Wilson, Irwin, ----	12.30	16.19	-----
6029	THE LARABEE FLOUR MILLS CORPORATION, KANSAS CITY, MO. Red Dog, -----	W. W. McCullough, West Bridgewater.	10.82	16.75	15.00
6590	Red Dog, -----	Russell Brothers, Washington.	11.55	17.31	15.00
		Average, -----	11.18	17.03	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found	Guaranteed.				
%	%	%	%	\$			
4.15	4.00	6.15	9.00	4 00	Wheat flour middlings with ground wheat screenings not exceeding mill run.	As certified, -----	6491
4.08	5.50	8.80	6.00	3 50	Wheat flour middlings with ground screenings not exceeding mill run.	As certified, -----	6460
4.12	-----	7.47	-----	3 75			
4.25	4.00	5.10	8.00	3 00	Wheat flour middlings with ground screenings not exceeding mill run.	As certified, -----	5852
4.93	4.00	5.20	8.00	6 75	Wheat flour middlings with ground screenings not exceeding mill run.	As certified, -----	6304
4.43	4.00	4.92	8.00	62 50	Wheat flour middlings with ground screenings not exceeding mill run.	As certified, -----	5987
4.54	-----	5.07	-----	65 83			
3.78	3.50	3.45	5.25	3 46		Wheat flour middlings, -----	6012
4.98	5.50	4.40	6.50	3 85		Wheat flour middlings, -----	6363
4.60	-----	5.81	-----	72 51			
4.43	5.00	2.03	4.00	4 15		Low grade flour, -----	6331
4.41	4.50	1.89	4.00	4 00		Low grade flour, -----	5782
4.01	-----	2.03	-----	3 75		Low grade flour and small amount ground grain screenings.	6807
4.25	4.50	4.23	4.00	3 75		Low grade flour, -----	5789
3 11	-----	1 22	-----	3 50		Low grade flour, -----	6853
2.68	2.50	1.62	2.50	4 00		Low grade flour, -----	6029
2.78	2.50	1.85	2.50	4 25		Low grade flour, -----	6596
2.73	-----	1.73	-----	4 13			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
6186	THE MILLS OF ALBERT LEA, ALBERT LEA, MINN. Albert Lea Red Dog, -----	T. K. George, Homer City,	11.25	17.50	16.50
6424	PILLSBURY FLOUR MILLS CO., MINNEAPOLIS, MINN. Pillsbury's XX Daisy, -----	Emporium Milling Co., Emporium.	10.10	18.50	16.00
5965	Pillsbury's XX Daisy, -----	John Golde, Latrobe, -----	11.25	18.31	16.00
		Average, -----	10.67	18.41	-----
5945	WASHBURN-CROSBY CO., MINNE- APOLIS, MINN. Pure Hard Wheat Adrian Red Dog Flour.	Hershey Chocolate Co., Hershey.	10.10	18.75	16.00
6202	Pure Hard Wheat Adrian Red Dog Flour.	Herzog Milling Co., Smeth- port.	10.54	19.25	16.00
		Average, -----	10.32	19.00	-----
5771	Selected Wheat Arlington Flour, ----	Weaver & Berkey, Wind- ber.	10.67	18.31	14.00
		Total average. -----	11.08	17.93	-----
	RYE OFFALS.				
	RYE MIDDLINGS.				
	(With and without screenings.)				
6485	A. C. GODSHALL & CO., INC., LANSDALE, PA. Rye Middlings, -----	A. C. Godshall & Inc., Lansdale.	9.60	14.68	-----
6581	J. B. A. KERN & SONS, MIL- WAUKEE, WIS. Kern's Rye Middlings, -----	C. S. Hunter Co., Wash- ington.	9.09	16.63	14.00
6695	LYONS-KUEHN CO., MINNE- APOLIS, MINN. *Rye Middlings, -----	The Newsome Feed & Grain Co., Pittsburgh.	9.07	15.63	-----
6745	MINER-HILLARD MILLING CO., WILKES-BAREE, PA. Choice Rye Middlings, -----	Miner-Hillard Milling Co., Plymouth.	11.12	17.38	12-15
5777	SHANE BROTHERS & WILSON CO., MINNEAPOLIS, MINN. Rye Middlings, -----	A. Skelly, Ebensburg, ----	8.87	19.44	15.50
		Average, -----	9.53	16.75	-----
	WHEAT AND RYE OFFALS.				
5783	THE QUAKER OATS CO., CHI- CAGO, ILL. Buckeye Feed, -----	Brown & Fassett, Tunk- hannock.	9.67	18.63	15.50

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.85	4.50	3.12	6.00	4 00	Red dog with ground screenings not exceeding mill run.	As certified, -----	6186
4.05	4.00	2.57	4.00	4 40	Pure wheat product, ----	Low grade flour, -----	6424
4.23	4.00	2.92	4.00	3 85	Pure wheat product, ----	Low grade flour, -----	5965
4.14	-----	2.74	-----	4 13			
4.93	4.00	4.00	4.00	70 00	-----	Low grade flour, -----	5945
4.70	4.00	3.92	4.00	4 25	-----	Low grade flour, -----	6202
4.82	-----	3.96	-----	77 50			
3.41	4.00	0.70	4.00	3 95	-----	Low grade flour, -----	5771
3.91	-----	2.46	-----	79 00			
3.30	-----	4.20	-----	3 20	-----	Rye Middlings, -----	6485
3.45	3.75	5.45	7.25	3 75	Rye middlings with ground screenings not exceeding mill run.	As certified, -----	6581
4.18	-----	9.65	-----		-----	Rye middlings and ground grain screenings.	6695
3.48	2.50 to 5.00	4.30	3-5	2.65	Rye middlings with screenings not exceeding mill run.	As certified, -----	6745
3.53	3.50	5.35	7.50	3 25	Rye middlings with ground rye screenings not exceeding mill run.	As certified, -----	5777
3.59	-----	5.79	-----	3 21			
4.65	4.50	8.55	8.50	3.00	Made from wheat mixed feed (with ground screenings not exceeding mill run), and rye middlings.	As certified, -----	5788

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6708	Buckeye Feed, -----	John McFall, Glen Moore,	% 8.45	% 15.81	% 15.50
6783	Buckeye Feed, -----	Wayne Milling Co., Honesdale.	8.80	16.13	15.50
		Average, -----	8.97	17.86	-----
	OAT BY-PRODUCTS.				
	OAT FEED.				
5838	JONAS F. EBY & SON, LANCASTER, PA. Oat Feed, -----	G. R. Thompson, Gettysburg.	6.75	6.88	-----
6088	PURITY OATS CO., DAVENPORT, IOWA. Purity Oat Feed, -----	A. B. Harnish, Mechanicsburg.	5.35	8.00	6.75
5988	ROBIN HOOD MILLS, LTD., MOOSE JAW, CANADA. Oat Feed, -----	Muth Brothers, Elizabethtown.	6.27	8.63	5.25
5841	Oat Feed, -----	O. M. Wolf, Gettysburg,	6.30	9.06	5.25
		Average, -----	6.28	8.82	-----
		Total average, -----	6.16	8.13	-----
	BARLEY OFFALS.				
	BARLEY MIXED FEED.				
6131	CULBERT MILLING CO., MINNEAPOLIS, MINN. *Whole Ground Barley Feed, -----	Z. A. Brace & Son, Watertord.	10.62	12.50	10.30
5993	*Whole Ground Barley Feed, -----	Muth Brothers, Elizabethtown.	9.97	13.44	10.30
		Average, -----	10.29	12.97	-----
	BUCKWHEAT OFFALS.				
	BUCKWHEAT MIDLINGS.				
6798	DAYTON MILLING COMPANY, TOWANDA, PA. *Buckwheat Middlings, -----	Dayton Milling Company, Towanda.	9.80	24.44	-----
6006	MAHONING VALLEY MILLING CO., PUNXSUTAWNEY, PA. *Buckwheat Middlings, -----	Mahoning Valley Milling Punxsutawney.	16.47	29.94	-----
5831	I. J. PIZOR & SON, MERCER, PA. *Buckwheat Middlings, -----	I. J. Pizor & Son, Mercer,	-----	28.06	-----
		Average, -----	13.13	27.48	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
% 4.51	% 4.50	% 8.45	% 11.00	\$ 52 00	Made from wheat mixed feed (with ground screenings not exceeding mill run), and rye middlings.	As certified, -----	6708
4.93	4.50	6.91	11.00	2 50	Made from wheat mixed feed (with ground screenings not exceeding mill run), and rye middlings.	Rye middlings not present.	6783
4.70	-----	7.97	-----	54 00			
1.90	-----	27.88	-----	38 00		Oat feed, -----	5838
2.03	2.00	26.00	32.65	2 00	Oat middlings, oat shorts, oat hulls.	As certified, -----	6088
3.40	2.50	20.77	28.00	1 95		Oat feed, -----	5988
3.14	2.50	22.90	28.00	2 10		Oat feed, -----	5841
3.27	-----	21.83	-----	2 03			
2.62	-----	24.38	-----	39 75			
2.68	3.50	7.02	9.00	3 25		Barley middlings and barley hulls.	6131
3.60	3.50	8.10	9.00	3 20		Barley middlings, barley hulls and screenings.	5993
3.14	-----	7.56	-----	3 23			
6.73	-----	12.90	-----	3 00		Buckwheat middlings,--	6798
7.68	-----	7.17	-----	2 75		Buckwheat middlings, mouldy and damaged,	6006
1.55	-----	5.70	-----	2 50		Buckwheat middlings, mouldy and damaged,	5831
5.32	-----	8.59	-----	2 75			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	BUCKWHEAT FEED.		%	%	%
6816	F. H. HAGERMAN, TOWANDA, PA. *Buckwheat Middlings, -----	F. H. Hagerman, Tow- anda.	10.65	19.81	-----
	ALFALFA MEAL.				
6184	THE ALBERT DICKINSON CO., CHICAGO, ILL. Alfalfa Meal, -----	T. K. George, Homer City,	6.57	17.25	12.00
6509	CHAS. A. KRAUSE MILLING CO., MILWAUKEE, WIS. Alfalfa Meal, -----	Pamona No. 3 Exchange, West Chester.	7.82	12.75	14.00
6344	M. C. PETERS MILL CO., OMAHA, NEBR. Peter's Lucerne Alfalfa Meal, -----	J. A. Williams, California,	7.90	14.94	12.00
5847	TIOGA MILL & ELEVATOR CO., WAVERLY, N. Y. Alfalfa Meal, -----	C. M. Wolf, Gettysburg,	6.82	16.31	12.00
	UNKNOWN.				
6352	*Alfalfa Meal, -----	Spanogle-Yeager Milling Co., Lewistown.	7.85	14.25	-----
		Average, -----	7.39	15.10	-----
	DRIED BEET PULP.				
5971	THE LARROWE MILLING CO., DETROIT, MICH. Dried Beet Pulp, -----	R. S. Altman, Irwin, -----	7.57	10.31	8.00
6056	Dried Beet Pulp, -----	Canonsburg Milling Co., Canonsburg.	6.57	9.88	8.00
6547	Dried Beet Pulp, -----	H. W. Walker Co., Som- erset.	9.42	8.50	8.00
		Average, -----	7.85	9.56	-----
5764	Dried Beet Pulp and Molasses, -----	G. Bostert & Sons, Johns- town.	7.10	10.63	9.00
5914	Dried Beet Pulp and Molasses, -----	Edw. F. Bracken, Paoli,--	9.19	11.13	9.00
6000	Dried Beet Pulp and Molasses, -----	Jefferson Flour & Feed Co., Punxsutawney.	7.10	9.75	9.00
6042	Dried Beet Pulp and Molasses, -----	The Irwin Muir Co., Brad- dock.	7.62	10.13	9.00
5925	Dried Beet Pulp and Molasses, -----	Richey & McFarland, Car- negie.	7.17	10.81	9.00
		Average, -----	7.63	10.49	-----
6071	Dried Molasses—Beet Pulp, -----	V. E. Bond Estate, Upper Darby.	8.12	11.44	9.00
6048	Dried Molasses—Beet Pulp, -----	Wm. H. Dunlap, Jr., Canonsburg.	7.60	10.00	9.00
		Average, -----	7.86	10.72	-----
		Total average, -----	7.74	10.26	-----

*Not registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.43	-----	12.75	-----	2 50	-----	Buckwheat feed, -----	6816
2.10	1.00	23.00	35.00	3 00	Made from alfalfa hay,	As certified, -----	6184
1.05	1.00	33.20	30.00	3 50	-----	Alfalfa meal, -----	6509
1.53	1.50	29.05	33.00	3 50	Ground alfalfa, -----	As certified, -----	6344
2.09	1.00	28.87	35.00	2 75	-----	Alfalfa meal, -----	5847
1.35	-----	29.05	-----	2 80	-----	Alfalfa meal, -----	6352
1.62	-----	28.63	-----	3 11			
0.85	0.50	17.72	20.00	3 25	Residue of sugar beets dried after extraction of sugar.	As certified, -----	5971
0.58	0.50	17.70	20.00	3 00	Residue of sugar beets dried after extraction of sugar.	As certified, -----	6056
0.65	0.50	14.82	20.00	3 43	Residue of sugar beets dried after extraction of sugar.	Molasses present, -----	6547
0.69	-----	16.74	-----	3 25			
0.62	0.50	18.31	18.00	60 00	Dried beet pulp 90%, molasses 10%.	As certified, -----	5764
1.43	0.50	17.00	18.00	3 30	Composed of dried beet pulp and beet molasses.	As certified, -----	5914
0.75	0.50	17.42	18.00	3 40	Dried beet pulp 90%, beet molasses 10%.	As certified, -----	6000
0.69	-----	16.74	-----	3 23		As certified, -----	6042
1.95	0.50	16.90	18.00	3 50	beet molasses 10%. Dried beet pulp 90%, beet molasses 10%.	As certified, -----	5925
1.14	-----	17.46	-----	65.80			
0.93	-----	15.55	20.00	3 25	-----	Beet pulp and molasses, -----	6071
0.45	-----	19.70	20.00	3 50	Residue of sugar beets (molasses and pulp), dried after extraction of sugar.	As certified, -----	6048
0.69	-----	17.62	-----	3 38			
0.92	-----	17.27	-----	65.76			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	MIXED FEEDS.				
	PROPRIETARY DAIRY FEED.				
	ACME-EVANS CO., INDIANAPOLIS, IND.		%	%	%
6013	Acme Dairy Feed, -----	Crescent Flour & Feed Co., Punxsutawney.	8.42	25.31	25.00
6155	*E. Z. Dairy Feed, -----	Morrisdale Feed & Grain Co., Morrisdale.	7.75	14.81	16.00
	CHAPIN & CO., HAMMOND, IND.				
6116	Acorn Dairy Feed, -----	Western Flour Co., Charleroi.	8.07	21.25	20.00
6054	Unicorn Dairy Ration, -----	Canonsburg Milling Co., Canonsburg.	8.10	27.06	26.00
6317	Unicorn Dairy Ration, -----	F. W. Dawson & Son, Williamsport.	8.57	23.94	24.00
6299	Unicorn Dairy Ration, -----	J. A. Gault Co., Kittanning.	7.45	23.69	24.00
5776	Unicorn Dairy Ration, -----	J. H. Hershberger & Son, Johnstown.	8.25	23.19	26.00
6776	Unicorn Dairy Ration, -----	Honesdale Milling Company, Honesdale.	7.70	26.75	24.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.75	5.00	10.80	9.00	4 10	Linseed oil meal, corn gluten feed, wheat bran, cottonseed meal, wheat middlings, brewers' dried grains and $\frac{1}{2}$ of 1% salt.	As certified, -----	6013
3.39	3.50	16.35	12.00	3 75	Brewers' dried grains, cottonseed meal, wheat middlings, wheat bran, linseed oil meal, hominy meal, oat feed, oat hulls and oat middlings and salt.	Linseed oil meal not not detected. Found also corn gluten feed.	6155
5.64	3.00	8.07	10.00	3 30	Cottonseed meal, linseed meal, wheat bran with mill run screenings, corn gluten feed, ivory nut meal, coconut meal, corn feed meal, starch mill corn solubles with calcium salts, salt, kaffir meal.	As certified, -----	6716
5.75	4.50	10.05	10.00	85 00	Cottonseed meal, linseed meal, corn gluten meal, corn gluten feed, corn oil meal, brewers' grains, wheat bran with mill run screenings, hominy meal, salt.	As certified, -----	6054
4.90	4.50	7.97	10.00	4 50	Cottonseed meal, linseed meal, corn gluten meal, corn gluten feed, corn oil meal, brewers' grains, wheat bran with mill run screenings, hominy meal, salt.	As certified, -----	6317
4.83	4.50	7.75	10.00	4 10	Cottonseed meal, linseed meal, corn gluten meal, corn gluten feed, corn oil meal, brewers' grains, wheat bran with mill run screenings, hominy meal, salt.	As certified, -----	6299
5.66	4.50	9.02	10.00	4 10	Cottonseed meal, linseed meal, corn gluten meal, corn gluten feed, corn oil meal, brewers' grains, wheat bran with mill run screenings, hominy meal, salt.	As certified, -----	5776
4.60	4.50	7.90	10.00	3 90	Cottonseed meal, linseed meal, corn gluten feed, corn gluten meal, corn oil meal, brewers' grains, wheat bran with mill run screenings.	Found also corn feed meal.	6776

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6786	Unicorn Dairy Ration, -----	A. L. Vandervort, Laceyville.	% 8.62	% 25.19	% 24.00
	CITY FLOURING MILLS, INC., MUNCY, PA.	Average, -----	8.51	25.80	-----
6214	Balance Ration, -----	City Flouring Mills, Inc., Muncy.	8.67	20.85	22.00
	CLOVER LEAF MILLING CO., BUFFALO, N. Y.				
6122	Advanced Registry Dairy Feed, -----	Corry Milling & Supply Co., Corry.	9.27	26.00	25.00
6574	Advanced Registry Dairy Feed, -----	Girton & Ammerman, Berwick.	9.62	23.69	25.00
		Average, -----	9.44	24.85	-----
	CURTISS GRAIN CORPORATION, BUFFALO, N. Y.				
6794	Curtiss Dairy Ration, -----	C. A. Jayne, Skinners Eddy.	7.95	21.56	20.00
6206	Curtiss Dairy Ration, -----	Smith Brothers, Bradford,	9.47	22.81	20.00
		Average, -----	8.71	22.19	-----
	DAYTON MILLING COMPANY, TO- WANDA, PA.				
6808	Dayton's Dairy Ration A, -----	Dayton Milling Company, Towanda.	8.90	21.44	20.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.37	4.50	8.50	10.00	3 45	Cottonseed meal, linseed meal, corn oil meal, corn gluten feed, corn gluten meal, brewers' grains, wheat bran with mill run screenings, hominy meal, salt.	As certified, -----	6786
5.05	-----	8.53	-----	81 00			
4.73	-----	11.82	-----	4 00	Ear corn chop, brewers' grains, wheat midds, oil meal, cottonseed, barley and oat feed.	Ear corn chop, brewers' dried grains, wheat middlings, linseed oil meal, cottonseed meal, barley and oat feed (oat middlings and oat hulls).	6314
6.10	5.56	9.00	11.00	77 00	Hominy feed, pure old process linseed meal, cocoanut oil meal, corn gluten feed, dried grains from barley malt and corn, wheat bran, wheat middlings, cottonseed meal and $\frac{3}{4}$ of 1% fine table salt.	As certified, -----	6122
5.73	5.50	8 80	11.00	4 30	Hominy feed, pure old process linseed meal, cocoanut oil meal, corn gluten feed, dried grains from barley malt and corn, wheat bran, wheat middlings, cottonseed meal and $\frac{3}{4}$ of 1% fine table salt.	As certified, -----	6574
8.92	-----	8.90	-----	81 50			
6.59	4-5	11.82	10-12	3 60	Wheat bran, wheat middlings, may contain ground grain screenings not exceeding mill run, O. P. oil meal, copra meal, beet pulp, cottonseed meal, corn gluten feed, brewers' dried grains and salt.	As certified, -----	6794
3.98	3-4	9.90	9.50	3 75	Beet pulp, ground barley, linseed oil meal, cottonseed meal, corn gluten feed, wheat bran, ground grain screenings and salt.	Found also cocoanut oil meal.	6206
5.29	-----	10.86	-----	3 68			
4.5	3.00	9.90	10.00	3 00	Gluten, oil meal, ground oats, wheat feed, buckwheat middlings, corn meal and salt.	As certified, -----	6808

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6812	DEAN & LEE, HORSEHEADS, N. Y. Pioneer Dairy Ration, -----	F. H. Hagerman, To- wanda.	% 10.07	% 26.81	% 24-26
6200	THE DEWEY BROTHERS CO., BLANCHESTER, OHIO. Dewey's Ready Ration, -----	Herzog Milling & Smeth- port.	8.70	25.88	25.00
5889	THE ALBERT DICKINSON CO., CHICAGO, ILL. Dickinson Dairy Feed, -----	J. F. Hogsett Son, Uniontown.	8.80	26.44	24.00
6534	Dickinson Dairy Feed, -----	Abram Hostetler Scalp Level.	9.82	23.94	24.00
5689	Dickinson Dairy Feed, -----	Junlata Cash Feed Store, Junlata.	8.12	26.06	24.00
		Average, -----	8.91	25.48	-----
6731	DIEHL, OMWAKE & DIEHL, CHAMBERSBURG, PA. D. O. D. 30% Dairy Feed, -----	Diehl, Omwake & Diehl, Chambersburg.	8.22	26.44	30.00
5818	DIXIE MILLS CO., EAST ST. LOUIS, ILL. Anchor Dairy Feed, -----	Thompson & Glenn, Butler,	8.92	26.63	24.00
6380	EDGAR-MORGAN CO., MEMPHIS, TENN. Happy Cow Feed (Dry), -----	S. Book & Brother, Quar- ryville.	9.25	22.56	24.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
6.00	5-6	9.15	9-10	3 00	Corn distillers' dried grains, cottonseed meal, old process oil meal, corn gluten feed, corn feed meal, hominy feed, ground barley, ground oats, wheat middlings; dried brewers' grains, our own make of wheat bran, 1% of salt.	As certified, -----	6812
6.80	6.00	10.82	12.00	4 00	Brewers' dried grains, linseed oil meal, cottonseed meal, malt sprouts, wheat bran, wheat middlings, corn gluten feed, hominy feed and $\frac{1}{2}$ of 1% salt.	As certified; -----	6200
5.43	5.50	9.05	11.00	3 90	Corn gluten feed, brewers' dried grains, wheat bran, wheat middlings, cottonseed meal, linseed meal, hominy feed and $\frac{1}{2}$ of 1% salt.	Found also corn feed meal.	5889
5.48	5.50	9.72	11.00	4 25	Corn gluten feed, brewers' dried grains, wheat bran, wheat middlings, cottonseed meal, hominy feed and $\frac{1}{2}$ of 1% salt.	Found also linseed oil meal.	6534
4.65	5.50	8.92	11.00	4 50	Corn gluten feed, brewers' dried grains, wheat bran, wheat middlings, cottonseed meal, linseed meal, hominy feed and $\frac{1}{2}$ of 1% salt.	As certified, -----	6689
5.19	-----	9.23	-----	4 22			
6.98	6.00	10.02	14.00	75 00	Corn distillers' grains, brewers' grains, cottonseed meal, oil meal, corn chop, bran and gluten.	As certified, -----	6731
5.66	4.00	12.05	13.00	73 00	Ground alfalfa, corn feed meal, cottonseed meal, corn gluten feed, old process linseed meal, wheat bran, wheat middlings, brewers' dried grains and 1% salt.	As certified, -----	5810
5.40	4.50	11.47	16.00	3 85	Velvet bean feed, coconut meal, corn feed meal, wheat bran, alfalfa meal, cottonseed meal, $\frac{1}{2}$ of 1% salt.	As certified, -----	6380

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled at	Moisture.	Protein.	
				Found.	Guaranteed.
6197	Happy Cow Feed (Dry), -----	Mahoning Grange, Danville.	% 9.57	% 26.31	% 24.00
6109	Happy Cow Feed (Dry), -----	L. L. Rice, Carlisle, ---	8.80	26.94	24.00
		Average, -----	9.20	26.27	-----
6004	GLOBE ELEVATOR CO., BUF- FALO, N. Y. Globe Creamery Feed, -----	Jefferson Flour & Feed Co., Punxsutawney.	8.85	26.19	23.00
6457	Globe Creamery Feed, -----	Kline's Sifter Mills, Brookville.	9.20	25.50	23.00
6287	Globe Creamery Feed, -----	L. Ritter, St. Marys, ---	10.42	25.00	23.00
		Average, -----	9.49	25.56	-----
6434	THE GODFREY & SLOANE CO., INC., OLEAN, N. Y. The Cornell Dairy Feed, -----	Eulalia Milling Co., Inc., Coudersport.	9.42	24.88	25.00
6426	The Pomona Dairy Feed, -----	B. F. Lynch, Port Allegany.	9.67	23.25	24.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
6.03	4.50	11.20	16.00	75 80	Velvet beal feed, cocoanut meal, corn feed meal, wheat bran, alfalfa meal, cottonseed meal, $\frac{1}{2}$ of 1% salt.	As certified, -----	6197
4.55	4.50	12.37	16.00	3 80	Velvet bean feed, cocoanut meal, corn feed meal, wheat bran, alfalfa meal, cottonseed meal, $\frac{1}{2}$ of 1% salt.	As certified, -----	6199
5.33	-----	11.68	-----	75 60			
5.05	5.00	11.20	12.00	4 10	Brewers' dried grains, beet pulp, corn gluten feed, cottonseed meal, linseed oil meal, ground barley, ground oats, wheat bran and wheat middlings (containing mill run ground screenings), salt $\frac{3}{4}$ of 1%.	As certified, -----	6004
5.20	5.00	10.15	12.00	4 00	Brewers' dried grains, beet pulp, corn gluten feed, cottonseed meal, linseed oil meal, ground barley, ground oats, wheat bran and wheat middlings (containing mill run ground screenings), salt $\frac{3}{4}$ of 1%.	Beet pulp not detected. Found also malt sprouts.	6457
5.03	5.00	10.97	12.00	4 00	Brewers' dried grains, beet pulp, corn gluten feed, cottonseed meal, linseed oil meal, ground barley, ground oats, wheat bran and wheat middlings (containing mill run ground screenings), salt $\frac{3}{4}$ of 1%.	As certified, -----	6287
5.09	-----	10.77	-----	4 03			
5.43	6.00	9.50	10.00	4 00	Corn gluten feed, 400 lbs.; winter bran, 200 lbs.; 43% cottonseed meal, 400 lbs.; old process linseed meal, 400 lbs.; hominy feed, 300 lbs.; toasted wheat feed, 300 lbs. per ton.	As certified, -----	6434
5.10	5.00	9.37	12.00	4 10	Corn gluten feed, 300 lbs.; winter bran, 300 lbs.; 36% cottonseed meal, 400 lbs.; hominy feed, 100 lbs.; toasted wheat feed, 500 lbs. per ton; old process linseed meal, 400 lbs.	As certified, -----	6426

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5849	HALES & HUNTER CO., CHICAGO, ILL. Red Horn Dairy Feed, -----	Keystone Supply Co., Jeannette.	% 8.07	% 23.94	% 26.00
6741	INTERSTATE FEED ASSOCIATION, TOLEDO, OHIO. Big Repeater Dairy Feed—Ready Ration.	Co-operative Grange Milling Co., Titusville.	8.32	24.69	22.00
6740	Moremilk Dairy Feed—Ready Ration.	Co-operative Grange Milling Co., Titusville.	9.25	26.25	25.00
6272	JAMESTOWN ELECTRIC MILLS, JAMESTOWN, N. Y. Milk Maker, -----	R. T. Jones, North Warren.	9.15	23.94	24.00
6273	Rob-Roy Dairy Feed, -----	R. T. Jones, North Warren.	9.15	21.94	20.00
6733	KERR MILLING CO., TITUSVILLE, PA. *Kereo Dairy Feed, -----	Kerr Milling Co., Titusville.	10.52	18.75	21.00
5858	CHAS. A. KRAUSE MILLING CO., MILWAUKEE, WIS. *Badger Krameo, -----	Farmers Exchange, Indiana.	8.12	21.88	20.00
6076	Cream City Dairy Feed, -----	J. W. Craft & Sons, Ambler.	7.95	21.06	19.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.45	6.00	9.20	9.00	3 50	Ground barley, ground oats, old process linseed meal, cottonseed meal, corn feed meal, wheat bran, corn gluten feed.	Found also buckwheat middlings.	6849
5.05	5.00	8.00	12.00	3 75	Cottonseed meal, wheat bran, old process oil meal, corn gluten feed, corn oil meal, white hominy feed, cereal wheat feed, wheat middlings, dried sugar beet pulp.	Cereal wheat feed identified as roasted wheat bran.	6741
5.13	6.00	9.00	10.00	3 95	Corn gluten feed, wheat bran, 43% cottonseed meal, old process linseed oil meal, hominy feed, cereal wheat feed, corn oil meal.	Cereal wheat feed identified as roasted wheat bran.	6746
5.00	5.50	9.37	11.00	4 20	Brewers' dried grains, cottonseed meal, corn feed meal, O. P. linseed oil meal, wheat bran, wheat middlings, corn gluten feed, hominy feed, $\frac{1}{2}$ of 1% salt.	As certified, -----	6272
4.80	4.00	9.22	9.00	3 95	Cottonseed meal, O. P. linseed oil meal, corn feed meal, corn gluten feed, wheat bran, hominy feed, whole oats ground.	As certified, -----	6273
5.16	4.00	5.93	-----	3 50	Corn meal, ground oats, wheat bran, buckwheat middlings, oil meal, wheat middlings.	As certified, -----	6733
5.33	3.00	10.37	14.00	3 50	Cottonseed meal, gluten feed, O. P. linseed oil meal, dried beet pulp, wheat bran, wheat middlings with ground screenings not exceeding mill run, badger hominy feed, corn germ meal and salt.	As certified, -----	6858
3.90	4.50	14.07	15.00	5 50	Gluten feed, cottonseed meal, hominy feed, brewers' dried grains, old process linseed oil meal, ground and bolted grain screenings, wheat bran, wheat middlings, rye middlings with screenings not exceeding mill run, malt sprouts, corn germ meal and salt.	As certified, -----	6076

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6173	Cream City Dairy Feed, -----	Keystone Flour Co., Clearfield.	% 8.57	% 21.00	% 19.00
6362	Cream City Dairy Feed, -----	Lewistown Ice & Storage Co., Lewistown.	9.20	20.81	19.00
6178	Cream City Dairy Feed, -----	J. A. McKelvey, Blairsville.	8.67	24.75	20.00
6364	Cream City Dairy Feed, -----	W. H. Manbeck & Co., Mifflin.	9.50	19.69	19.00
5824	Cream City Dairy Feed, -----	P. J. Oesterling & Son, Butler.	8.65	21.69	19.00
		Average, -----	8.75	21.50	-----
6860	Krause Dairy Feed, -----	Farmers Exchange, Indiana.	8.37	24.63	24.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.63	4.50	12.60	15.00	3 70	Gluten feed, cottonseed meal, hominy feed, brewers' dried grains, O. P. linseed oil meal, ground and bolted screenings, wheat bran, wheat middlings, rye middlings, malt sprouts, corn germ meal and salt.	Rye middlings not detected. Found also trace of rice hulls.	6173
5.05	4.50	13.22	15.00	3 60	Gluten feed, cottonseed meal, hominy feed, brewers' dried grains, O. P. linseed oil meal, ground and bolted screenings, wheat bran wheat middlings, rye middlings, malt sprouts, corn germ meal and salt.	Found also trace of rice hulls.	6362
5.70	4.50	12.47	15.00	4 00	Gluten feed, cottonseed meal, hominy feed, brewers' dried grains, O. P. linseed oil meal, ground and bolted screenings, wheat bran, wheat middlings, malt sprouts, corn germ meal and salt.	As certified, -----	6178
5.18	4.50	11.92	15.00	3 75	Gluten feed, cottonseed meal, hominy feed, brewers' dried grains, O. P. linseed oil meal, ground and bolted screenings, wheat bran, wheat middlings, malt sprouts, corn germ meal and salt.	As certified, -----	6364
4.90	4.25	12.66	15.00	3 00	Gluten feed, cottonseed meal, hominy feed, brewers' dried grains, O. P. linseed oil meal, ground and bolted screenings, wheat bran, wheat middlings, rye middlings, malt sprouts, corn germ meal and salt.	As certified, -----	5824
5.06	-----	12.82	-----	3 50			
5.76	5.00	10.94	10.00	3 50	Brewers' dried grains, corn gluten feed, old process linseed oil meal, malt sprouts, cottonseed meal, barley feed, corn germ meal wheat bran and wheat middlings with ground screenings not exceeding mill run. copra meal and salt.	Copra or cocoanut oil meal not detected.	6860

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6360	Krause Dairy Feed, -----	Lewistown Ice & Storage Co., Lewistown.	% 8.32	% 23.44	% 24.00
	LADISH MILLING CO., MILWAU- KEE, WIS.	Average, -----	8.34	24.04	-----
6402	National Dairy Feed, -----	W. W. Davidson & Son, Elwood City.	8.90	23.44	20.00
6243	National Dairy Feed, -----	Ross E. Goodman, Hunt- ingdon.	8.82	23.94	20.00
6033	National Dairy Feed, -----	Rochester Seed & Supply Co., Rochester.	9.15	24.31	20.00
		Average, -----	8.95	23.90	-----
6690	Red Tag Midds., -----	H. A. Kjelman, Altoona,	9.45	13.63	13.00
	LAKE VIEW MILLING CO., CHAM- BERSBURG, PA.				
6724	*Mixed Feed, -----	Lake View Milling Co., Chambersburg.	10.52	17.06	-----
	THE LARROW MILLING CO., DE- TROIT, MICH.				
6022	Larro Feed, -----	John G. Allen, Beaver Falls.	8.90	21.38	20.00
7188	Larro Feed, -----	Henry S. Beldler, Doylestown.	10.20	21.75	20.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition,	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
$\frac{\%}{5.35}$	$\frac{\%}{5.00}$	$\frac{\%}{10.87}$	$\frac{\%}{10.00}$	\$ 3 90	Brewers' dried grains, corn gluten feed, O. P. linseed oil meal, malt sprouts, cottonseed meal, hominy feed, corn germ meal, wheat bran and wheat middlings with screenings not exceeding mill run, rye middlings and salt.	As certified, -----	6360
5.56	-----	10.90	-----	3 70			
4.70	3.50	10.55	12.00	58 00	Cottonseed meal, ground barley, wheat bran, (with screenings not exceeding mill run), copra meal (cocoanut oil meal), rye middlings and salt.	As certified, -----	6402
5.08	4.00	10.90	12.00	4 00	Cottonseed meal, ground oats, ground corn, wheat bran, wheat middlings with ground screenings not exceeding mill run, copra meal (cocoanut oil meal), salt.	As certified, -----	6243
5.35	3.50	8.20	12.00	3 50	Cottonseed meal, ground barley, wheat bran (with screenings not exceeding mill run), corn meal, cocoanut oil meal, rye middlings and salt.	Corn meal not detected.	6033
4.94	-----	9.88	-----	69 33			
4.83	4.00	5.52	6.00	4 10	Wheat middlings with ground screenings not exceeding mill run, corn flour.	As certified, -----	6690
4.30	-----	7.09	-----	50 00	Wheat bran, wheat middlings, ground screenings and cornmeal.	As certified, -----	6724
3.98	3.00	11.12	14.00	4 00	Cottonseed meal, corn gluten feed, old process linseed oil meal, dried beet pulp, wheat bran, wheat middlings and $\frac{3}{4}$ of 1% salt. Wheat bran and middlings may contain ground screenings not exceeding mill run.	As certified, -----	6022
3.30	3.00	12.15	14.00	4 00	Cottonseed meal, corn gluten feed, old process linseed oil meal, dried beet pulp, wheat bran, wheat middlings and $\frac{3}{4}$ of 1% salt. Wheat bran and middlings may contain ground screenings not exceeding mill run.	As certified, -----	6188

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5422	Larro Feed, -----	Emporium Milling Co., Emporium.	% 9.25	% 20.63	% 20.00
6550	Larro Feed, -----	R. R. Ikeler, Bloomsburg,	9.42	20.94	20.00
5879	Larro Feed, -----	King Brothers, Uniontown,	8.90	22.75	20.00
6374	Larro Feed, -----	The Lancaster County Farmers' Supply Co., Inc., Manheim.	9.07	20.31	20.00
6126	Larro Feed, -----	Miller & Parsons, Corry,	9.65	22.50	20.00
6383	Larro Feed, -----	Quarryville Farmers Asso- ciation, Quarryville.	9.32	22.06	20.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.98	3.00	10.92	14.00	4 50	Cottonseed meal, corn gluten feed, old process linseed oil meal, dried beet pulp, standard wheat bran, standard wheat middlings, and $\frac{3}{4}$ of 1% salt. Wheat bran and wheat middlings may contain ground screenings not exceeding mill run.	As certified, -----	6422
4.03	3.00	10.87	14.00	4 10	Cottonseed meal, corn gluten feed, old process linseed oil meal, dried beet pulp, wheat bran, wheat middlings and $\frac{3}{4}$ of 1% salt. Bran and middlings may contain ground screenings not exceeding mill run.	As certified, -----	6550
4.45	3.00	12.60	14.00	4 00	Cottonseed meal, corn gluten feed, old process linseed oil meal, dried beet pulp, standard wheat bran, standard wheat middlings and $\frac{3}{4}$ of 1% salt. Wheat bran and wheat middlings may contain ground screenings not exceeding mill run.	As certified, -----	5879
3.73	3.00	12.17	14.00	80 00	Cottonseed meal, gluten feed, old process linseed oil meal, dried beet pulp, wheat bran, wheat middlings, $\frac{3}{4}$ of 1% salt (bran and middlings may contain ground screenings not exceeding mill run).	As certified, -----	6374
3.75	3.00	11.80	14.00	3 90	Cottonseed meal, corn gluten feed, O. P. linseed oil meal, dried beet pulp, standard wheat bran, standard wheat middlings and $\frac{3}{4}$ of 1% salt. Wheat bran and wheat middlings may contain ground screenings not exceeding mill run.	As certified, -----	6126
4.43	3.00	10.80	14.00	78 25	Cottonseed meal, corn gluten feed, O. P. linseed oil meal, dried beet pulp, standard wheat bran, standard wheat middlings and $\frac{3}{4}$ of 1% salt. Wheat bran and wheat middlings may contain ground screenings not exceeding mill run.	As certified, -----	6383

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6148	Larro Feed, -----	J. O. Reed, Philipsburg,	% 8.82	% 21.06	% 20.00
6221	Larro Feed, -----	A. T. Sprankle, DuBois,	9.07	23.06	20.00
6711	Larro Feed, -----	D. E. Wagenseller, Sup- plee.	9.37	23.13	20.00
6546	Larro Feed, -----	H. W. Walker Co., Som- erset.	10.40	20.38	20.00
		Average,	9.36	21.66	-----
6596	Larrowe's Big 6 Complete Dairy Feed.	Washington Milling Co., Washington.	11.00	22.63	21.00
6728	MARITIME TRADING CORPORA- TION, BUFFALO, N. Y. Bull Brand Dairy Ration, -----	Diehl, Omwake & Diehl, Chambersburg.	8.15	23.31	24.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
% 3.80	% 3.00	% 12.00	% 14.00	\$ 85 00	Cottonseed meal, corn gluten feed, old process linseed oil meal, dried beet pulp, wheat bran, wheat middlings and $\frac{3}{4}$ of 1% salt. Bran and middlings may contain ground screenings not exceeding mill run.	As certified, -----	6148
4.23	3.00	10.50	14.00	4.25	Cottonseed meal, corn gluten feed, old process linseed oil meal, dried beet pulp, standard wheat bran, Standard wheat middlings and $\frac{3}{4}$ of 1% salt. Bran and middlings may contain ground screenings not exceeding mill run.	As certified, -----	6221
3.97	3.00	11.00	14.00	60 00	Cottonseed meal, corn gluten feed, old process linseed oil meal, dried beet pulp, wheat bran, wheat middlings and $\frac{3}{4}$ of 1% salt. Bran and middlings may contain ground screenings not exceeding mill run.	As certified, -----	6711
3.85	3.00	10.60	14.00	4 00	Cottonseed meal, corn gluten feed, old process linseed oil meal, dried beet pulp, standard wheat bran, standard wheat middlings, wheat bran and wheat middlings may contain ground screenings not exceeding mill run, and $\frac{3}{4}$ of 1% salt.	As certified, -----	6546
3.98	-----	11.37	-----	71 85			
5 28	4.00	7.02	12.00	4 10	Linseed oil meal, cottonseed meal, corn gluten feed, hominy feed, wheat bran, wheat middlings and $\frac{3}{4}$ of 1% salt. Bran and middlings may contain ground screenings not exceeding mill run.	Found also ground Kafir corn.	6596
6.08	1.00	11.30	2.00	70 00	Dried brewers' grains, dried malt grains, old process oil meal, cottonseed meal, corn gluten feed, hominy feed, cocoanut oil meal, wheat bran, wheat middlings, ground barley and $\frac{3}{4}$ of 1% salt. (Wheat bran and wheat middlings may contain ground screenings not exceeding mill run.)	As certified, -----	6728

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6144	Bull Brand Dairy Ration, -----	Handwork Bros., Coatesville.	% 9.00	% 24.25	% 24.00
		Average, -----	8.57	23.78	-----
6730	Hi-Test Dairy Feed, -----	Diehl, Onwake & Diehl, Chambersburg.	6.52	20.56	20.00
	C. P. MATTHEWS & SONS., INC., SCRANTON, PA.				
6619	Best Cow Feed, -----	C. P. Matthews & Sons, Inc., Scranton.	9.07	17.94	15.00
6443	Best Cow Feed, -----	C. P. Matthews & Sons, Inc., Wilkes-Barre.	10.00	19.94	15.00
		Average, -----	9.53	18.94	-----
	MAUSDALE ROLLER MILLS, MAUSDALE, PA.				
6117	*Mixed Feed, -----	Mausdale Roller Mills, Mausdale.	11.50	13.75	-----
	MILLBOURNE MILLS, PHILADELPHIA, PA.				
5919	Millbourne Fancy Mixed Feed, -----	Edw. F. Braeken, Paoli,	10.00	15.1	14.75
	MINER-HILLARD MILLING CO., WILKES-BARRE, PA.				
6749	Colonial Middlings, -----	Miner-Hillard Milling Co., Plymouth.	10.37	14.38	12-15
5444	Mihimico Dairy Feed, -----	Miner-Hillard Milling Co., Wilkes-Barre.	9.70	19.00	17.00
	NEWSOME FEED & GRAIN CO., PITTSBURGH, PA.				
6129	Palmo Midds, -----	Z. A. Braee & Son, Waterford.	3.74	16.88	16.00
6016	Palmo Midds, -----	Fales Grocery Co., Reynoldsville.	4.20	17.00	16.00
5984	Palmo Midds, -----	The Goldsboro Pure Feed Co., Goldsboro.	5.00	17.19	16.00
6660	Palmo Midds, -----	J. B. Roux, Farrell, ---	5.25	15.63	16.00
		Average, -----	4.54	16.68	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
6.18	5.00	19.57	12.00	4 10	Dried brewers' grains, dried malt grains, old process oil meal, cottonseed meal, corn gluten feed, hominy feed, cocoanut oil meal, wheat bran, wheat middlings, ground barley and $\frac{3}{4}$ of 1% salt. (Wheat bran and wheat middlings may contain ground screenings not exceeding mill run.)	As certified, -----	6144
6.13	-----	10.33	-----	76 00			
5.69	5.00	14.16	14.00	60 00	Cottonseed meal, wheat bran, cocoanut oil meal, corn gluten feed, ground barley, ground oats, linseed oil meal, dried yeast grains, hominy feed, $\frac{3}{4}$ of 1% salt. (Wheat bran may contain mill run of ground screenings.)	Barley not detected. Found also oat meal mill by product (oat shorts, oat middlings and oat hulls).	6730
4.73	5.00	5.07	8.00	3 85	Corn, gluten meal, wheat bran, linseed oil meal.	As certified, -----	6619
5.18	5.00	5.45	8.00	4 00	Corn, oats, gluten meal, wheat bran, linseed oil meal.	As certified, -----	6443
4.96	-----	5.26	-----	3.93			
5.08	-----	5.97	-----	3.00	Wheat middlings and oat middlings.	As certified, -----	6117
2.60	3.80	3.55	4.36	3 50	Wheat middlings, rye middlings, corn flour.	As certified, -----	5919
5.89	5-8	6.54	6-8	2 70	Wheat middlings and white corn middlings.	As certified, -----	6749
5.60	5.00	7.12	9.00	4 25	Hominy feed, corn oil meal, buckwheat middlings, wheat middlings, wheat bran, cottonseed meal, brewers' grains, O. P. oil meal and salt.	As certified, -----	6444
9.05	6.00	6.95	7.00	2 75	Cleaning middlings and palm oil.	Wheat and rye middlings and palm oil.	6129
8.85	7.00	8.85	9.00	2 90	Cleaning wheat middlings and palm oil.	As certified, -----	6016
7.95	7.00	8.67	9.00	52 00	Cleaning wheat middlings and palm oil.	As certified, -----	5984
8.63	7.00	8.27	9.60	3 10	Wheat and rye middlings with ground screenings not exceeding mill run, and palm oil.	As certified, -----	6660
8.62	-----	8.18	-----	56 75			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6473	NOWAK MILLING CORPORATION, BUFFALO, N. Y. Domino Creamery Feed, -----	DuBois Milling Co., Du- Bois.	% 9.40	% 17.94	% 20.00
6222	Domino Creamery Feed, -----	F. H. Dyer, Lock Haven,	8.85	19.94	-----
		Average, -----	9.12	18.94	-----
6428	24½% Dry Dairy Ration, -----	B. T. Lynch, Port Alle- gany.	9.50	26.25	24.50
6175	THE PARK & POLLARD CO., BOS- TON, MASS., & CHICAGO, ILL. Stevens 44 Dairy Ration, -----	John W. Eberts, Clear- field.	9.10	26.19	24.00
5877	Stevens 44 Dairy Ration, -----	King Brothers, Uniontown,	7.60	27.25	24.00
6641	Stevens 44 Dairy Ration, -----	J. M. Porter, Sharon, ---	7.45	25.38	24.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.23	4.00	15.57	15.00	3 90	Cottonseed meal, linseed oil meal, brewers' dried grains, corn gluten feed, cocoanut oil meal, wheat bran, ground and boiled grain screenings, $\frac{1}{2}$ of 1% salt.	As certified, -----	6473
4.73	-----	11.90	-----	4 75	Cottonseed meal, oil meal, brewer's grains, salt, corn gluten, cocoanut meal, wheat bran, grain screenings.	As certified, -----	6222
4.98	-----	13.73	-----	4.33			
4.75	4.50	13.42	15.00	4 10	Cottonseed meal, corn gluten feed, old process linseed oil meal, cocoanut oil meal, fine alfalfa meal, wheat bran and corn feed meal.	As certified, -----	6428
4.7	5.00	10.47	14.00	4 15	Linseed oil meal, cottonseed meal, wheat bran with mill run of screenings, brewers' dried grains, corn gluten feed, cocoanut oil meal, pea meal and corn distillers grains, ground barley, wheat middlings, hominy meal, corn germ meal, buckwheat middlings, corn meal and salt.	Pea meal and buckwheat middlings not detected.	6175
4.95	5.00	11.25	14.00	4 00	Oil meal, cottonseed meal, wheat bran with mill run of screenings, corn gluten feed, cocoanut oil meal, pea meal, corn distillers' grains, brewers' dried grains, ground barley, wheat middlings, hominy meal, corn germ meal, buckwheat middlings, corn meal, salt.	Pea meal and buckwheat middlings not detected. Found also malt sprouts and a small amount small whole weed seeds.	5877
6.55	5.00	11.17	14.00	4 40	Oil meal, cottonseed meal, wheat bran with mill run of screenings, corn gluten feed, cocoanut oil meal, pea meal, corn distillers' grains, brewers' dried grains, ground barley, wheat middlings, hominy meal, buckwheat grits, corn meal, salt.	As certified, -----	6641

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6252	Stevens 44 Dairy Ration, -----	P. D. Schnably, Bedford,	% 9.17	% 23.64	% 24.00
		Average, -----	8.32	25.63	-----
6717	PILLSBURY FLOUR MILLS CO., MINNEAPOLIS, MINN. Pillsbury's Dairy Feed, -----	The Western Flour Co., Charleroi.	8.05	20.44	18.00
5921	J. E. PRITTS, SCOTTDALE, PA. *Pritt's Alfalfa Cow Feed, -----	J. E. Pritts, Scottsdale,--	10.97	22.31	20.00
6543	THE QUAKER OATS CO., CHI- CAGO, ILL. *Big Q Dairy Ration, -----	H. C. Berrits Sons, Som- erset.	8.30	20.94	21.00
6194	*Big Q Dairy Ration, -----	Henry S. Beldler, Doyles- town.	8.74	22.69	21.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
6.15	5.00	10.00	14.00	4 35	Oil meal, cottonseed meal, wheat bran with mill run screenings, corn gluten feed, co-coanut oil meal, pea meal, brewers' dried grains, ground barley, wheat middlings, hominy meal, buckwheat grits, corn feed meal, salt, malt sprouts.	As certified, -----	6252
5.61	-----	10.72	-----	4 23			
5.20	4.00	10.82	11.00	3 30	Ground oats, wheat bran, hominy feed, linseed meal, corn gluten feed, wheat standard middlings, cottonseed meal and mineral matter (calcium carbonate and sodium chloride).	As certified, -----	6717
5.25	5.00	7.40	9.00	3 20	Alfalfa meal, wheat bran, wheat middlings, corn chop, red dog flour, oil meal, cotton seed meal.	Oil meal identified as linseed oil meal.	5921
4.77	5.00	9.90	11.00	4 50	Cottonseed meal, distillers' grains, corn gluten feed, O. P. linseed oil meal, hominy feed, yellow hominy feed, wheat middlings and wheat bran (with ground screenings not exceeding mill run), oat meal mill by-product (oat middlings, hulls, oat shorts), 1% salt.	As certified, -----	6543
4.63	6.06	10.57	10.50	4 00	Cottonseed meal, corn distillers' grains and solubles, corn gluten feed, old process linseed oil meal, hominy feed, yellow hominy feed, white middlings and wheat bran (with ground screenings not exceeding mill run), oat meal mill by-product (oat middlings, oat hulls, oat shorts), 1% salt.	As certified, -----	6194

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
5887	*Big Q Dairy Ration, -----	Hardy & Porter, Dunbar,	9.17	23.56	21.00
6111	*Big Q Dairy Ration, -----	L. L. Rice, Carlisle, -----	8.65	22.63	21.00
6659	*Big Q Dairy Ration, -----	J. B. Roux, Farrell, -----	8.17	22.81	21.00
		Average, -----	8.60	22.53	-----
6359	*Blue Ribbon Dairy Feed, -----	Lewistown Ice & Storage Co., Lewistown.	8.65	22.06	21.00
6761	SCUREMAN MILLING CO., WILKES-BARRE, PA. *Dairy Feed, -----	Scurman Milling Co., Wilkes-Barre.	10.10	20.06	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.30	5.00	10.52	11.00	4.00	Cottonseed meal, corn distillers' grains, corn gluten feed, old process linseed oil meal, hominy feed, yellow hominy feed, wheat middlings, and wheat bran (with ground screenings not exceeding mill run), oat meal mill by-product (oat middlings, oat hulls, oat shorts), 1% salt.	Corn distillers' dried grains not detected.	5887
5.10	5.00	9.85	11.00	3.90	Cottonseed meal, corn distillers' grains, corn gluten feed, O. P. linseed oil meal, hominy feed, yellow hominy feed, wheat middlings, and wheat bran (with ground screenings not exceeding mill run), oatmeal mill by-product (oat middlings, oat hulls, oat shorts) and 1% salt.	As certified, -----	6111
5.30	6.00	10.17	10.50	4.00	Cottonseed meal, corn distillers' grains, hominy feed, yellow hominy feed, corn gluten feed, old process linseed oil meal, wheat middlings and wheat bran (with ground screenings not exceeding mill run), oatmeal mill by-product (oat middlings, oat hulls, oat shorts), calcium phosphate and 1% salt.	As certified, -----	6659
4.91	-----	10.20	-----	4.08			
4.85	5.00	10.57	11.00	3.75	Cottonseed meal, corn distillers' grains, hominy feed, yellow hominy feed, corn gluten feed, O. P. linseed oil meal, wheat middlings and wheat bran (with ground screenings not exceeding mill run), oatmeal mill by-product (oat middlings, oat hulls, oat shorts), 1% salt.	As certified, -----	6359
5.08	-----	8.92	-----	2.80	Cornmeal, linseed meal, cottonseed meal, wheat bran, wheat middlings.	Found also a small amount ground grain screenings.	6761

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	SMITH MILLING CO., MILWAUKEE, WIS.		%	%	%
6404	Vitex Dairy Feed, -----	Brown & Rea, Atglen, ---	10.10	24.25	24.00
6723	Vitex Dairy Feed, -----	Lake View Milling Co., Chambersburg.	8.40	23.63	24.00
6414	Vitex Dairy Feed, -----	Jos. C. Walker & Sons Co., Gap.	8.65	25.51	24.00
		Average, -----	9.05	25.06	-----
6162	THE TOLEDO GRAIN & MILLING CO., TOLEDO, OHIO. Camp's Cloverdale Dairy Ration, ----	Centre Milling Co., Phillipsburg.	9.42	20.19	20.00
5927	Camp's Cloverdale Dairy Ration, ----	Richey & McFarland, Carnegie.	8.12	22.50	20.00
6137	Camp's Cloverdale Dairy Ration, ----	Union City Co-operative Association, Union City.	9.85	21.44	20.00
		Average, -----	9.13	21.38	-----
6028	THE UBIKO MILLING CO., CINCINNATI, OHIO. *Fourex Dairy Ration, -----	J. S. Brown, Beaver Falls.	8.95	22.75	20.00
		Average, -----	8.45	22.19	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.55	6.00	11.45	11.00	80 00	Distillers' dried grains, brewers' dried grains, corn gluten feed, hominy feed, linseed oil meal, cottonseed meal, wheat bran, corn oil meal, malt sprouts and salt.	Found also screenings oil cake meal. Distillers' dried grains identified as corn distillers' dried grains.	6404
5.50	-----	12.11	-----	77 09	Distiller's dried grains, brewers' dried grains, corn gluten feed, hominy feed, linseed oil meal, cottonseed meal, wheat bran, corn oil meal, malt sprouts and salt.	As certified, -----	6723
6.25	6.00	10.47	11.00	4 00	Distillers' dried grains, brewers' dried grains, corn gluten feed, hominy feed, linseed oil meal, cottonseed meal, wheat bran, corn oil meal, malt sprouts and salt.	Found also screenings oil cake meal. Distillers' dried grains identified as corn distillers' dried grains.	6414
5.76	-----	11.34	-----	79 00			
5.00	5.00	9.00	9.00	4 00	Corn meal, wheat bran, barley, oats, O. P. linseed oil meal, cottonseed meal, gluten feed and $\frac{1}{2}$ of 1% salt.	As certified, -----	6162
1.53	5.00	8.72	9.00	4 00	Cornmeal, wheat bran, barley, oats, O. P. linseed oil meal, cottonseed meal, gluten feed and $\frac{1}{2}$ of 1% salt.	Found also small amount of corn glumes.	5927
4.20	5.00	8.12	9.00	3 80	Cornmeal, wheat bran, barley, oats, O. P. linseed oil meal, cottonseed meal, corn gluten feed, $\frac{1}{2}$ of 1% salt.	As certified, -----	6137
4.58	-----	8.61	-----	3 93			
4.33	4.00	11.66	12.00	3 80	Cottonseed meal, O. P. linseed meal, hominy meal, wheat bran and middlings, gluten feed, reground oat feed (oat hulls, oat shorts, oat middlings), rye middlings, malt sprouts and salt.	As certified, -----	6028
4.56	4.00	11.85	12.00	4 00	Cottonseed meal, O. P. linseed meal, hominy meal, wheat bran and middlings, gluten feed, reground oat feed (oat hulls, oat shorts, oat middlings), rye middlings, malt sprouts and salt.	As certified, -----	5880
4.47	-----	11.72	-----	3 90			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6209	Sunbeam Dairy Ration, -----	Smith Brothers, Bradford,	% 8.3:	% 22.31	% 20.00
6140	Sunbeam Dairy Ration, -----	R. H. Van Tassel Corry,	9.42	23.44	20.00
		Average, -----	8.87	22.88	-----
6637	Union Grains, Ubiko, Biles Ready Dairy Ration.	John B. Curry Estate, Swatara.	7.35	24.38	24.00
6624	Union Grains, Ubiko, Biles Ready Dairy Ration.	Dillsburg Grain & Milling ing Co., Dillsburg.	7.60	25.31	24.00
5947	Union Grains, Ubiko, Biles Ready Dairy Ration.	Hershey Chocolate Co., Hershey.	9.75	25.94	24.00
6198	Union Grains, Ubiko, Biles Ready Dairy Ration.	Herzog Milling Co., Smeth- port.	9.45	24.50	24.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
% 3.73	% 3.00	% 11.55	% 12.00	\$ 3 90	Cottonseed meal, O. P. linseed meal, corn gluten feed, dried beet pulp, wheat bran, wheat middlings, hominy meal, salt.	As certified, -----	6209
4.25	3.00	11.32	12.00	3 90	Cottonseed meal, O. P. linseed meal, corn gluten feed, dried beet pulp, wheat bran, wheat middlings, hominy meal, salt.	As certified, -----	6140
3.99	-----	11.43	-----	3 90			
7.25	5.00	8.45	10.00	4 90	Corn distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, cocoanut oil meal, corn gluten feed, brewers' dried grains, barley malt sprouts, one-half per cent. of fine salt.	As certified, -----	6637
7.00	5.00	8.45	10.00	4 10	Corn distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, cocoanut oil meal, corn gluten feed, brewers' dried grains, barley malt sprouts, one-half per cent. of fine salt.	As certified, -----	6624
5.68	5.00	9.45	10.00	54 00	Corn distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, cocoanut oil meal, corn gluten feed, brewers' dried grains, barley malt sprouts, one-half per cent. of fine salt.	As certified, -----	5947
4.40	5.00	10.60	10.00	4 10	Fourx corn distillers' dried grains, choice cottonseed meal, O. P. linseed meal, white wheat middlings, winter wheat bran, hominy meal, cocoanut oil meal, corn gluten feed, brewers' dried grains, barley malt sprouts and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6198

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5953	Union Grains, Ubiko, Biles Ready Dairy Ration.	McFarland Supply Co., Greensburg.	% 8.80	% 25.75	% 24.00
6366	Union Grains, Ubiko, Biles Ready Dairy Ration.	W. H. Manbeck & Co., Mifflin.	8.15	24.69	24.00
5828	Union Grains, Ubiko, Biles Ready Dairy Ration.	I. J. Pizer & Son, Mercer,	8.67	26.19	24.00
6653	Union Grains, Ubiko, Biles Ready Dairy Ration.	D. B. Webber, Greenville,	8.45	24.44	24.00
	U. S. FOOD PRODUCTS CORPORATION, PEORIA, ILL.	Average, -----	8.52	25.15	-----
6833	Sterling Dairy Ration, -----	Henry S. Beidler, Doylestown.	6.97	27.50	22.00
6606	Your Choice Farmer Jones Brand Dairy Ration.	Carbondale Milling Co., Carbondale.	7.37	25.88	25.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.25	5.00	9.17	10.00	4 25	Corn distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, cocoanut oil meal, corn gluten feed, brewers' dried grains, barley malt sprouts and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	5953
5.20	5.00	9.67	10.00	4 00	Corn distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, cocoanut oil meal, corn gluten feed, brewers' dried grains, barley malt sprouts and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6366
5.12	5.00	10.54	10.00	3 90	Corn distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, cocoanut oil meal, corn gluten feed, brewers' dried grains, barley malt sprouts and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	5828
6.83	5.00	8.85	10.00	4 25	Corn distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, cocoanut oil meal, corn gluten feed, brewers' dried grains, barley malt sprouts and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6653
5.84	-----	9.42	-----	82 00			
5.93	5.00	9.60	9.00	3 30	Gluten feed, distillers' dried grains, pure linseed meal, pure wheat bran, pure wheat middlings, cottonseed meal, pure ground barley, pure ground oats, corn oil cake meal, salt.	As certified, -----	6833
5.45	6.00	8.67	9.00	4 00	Corn gluten feed, distillers' dried grains, cottonseed meal, pure wheat bran, pure wheat middlings, pure linseed meal, pure ground barley (guaranteed), pure ground oats (guaranteed), corn oil cake meal, kiln dried fine table salt.	As certified, -----	6606

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled at	Moisture.	Protein.	
				Found.	Guaranteed.
5773	WESTERN GRAIN PRODUCTS CO., HAMMOND, IND. *Calumet Dairy Feed, -----	J. H. Hershberger & Son, Johnstown.	% 7.90	% 22.50	% 20.00
6843	*Calumet Dairy Feed, -----	A. K. Kulp, Pottstown, --	7.60	21.44	20.00
		Average, -----	7.75	21.97	-----
6818	WHITAKER-GLESSNER CO., WHEELING, W. VA. Palm Oil Middlings, -----	Blackburn Milling Co., Cessna.	7.72	16.25	16.00
6254	Palm Oil Middlings, -----	P. D. Schnably, Bedford,	5.57	16.06	16.00
		Average, -----	6.64	16.16	-----
	PROPRIETARY DIARY FEED WITH MOLLASSES				
6680	AMERICAN MILLING CO., PEORIA, ILL. Amco Dairy Feed, -----	Fay Milling Co., Holli- daysburg.	10.51	26.28	25.00
6242	Amco Dairy Feed, -----	Ross E. Goodman, Hunt- ingdon.	13.40	26.20	25.00
		Average, -----	11.95	26.5	-----
6699	Empire 20% Dairy Feed, -----	E. C. Noll, Lewisburg, --	12.44	22.1	20.00
3377	Sucrene Dairy Feed, -----	S. Book & Brother, Quarryville.	11.15	19.56	16.50

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.81	4.60	13.75	14.80	3 65	Cottonseed meal, gluten feed, brewers' dried grains, ground corn, ground re-cleaned wheat screenings, ground clipped oat by-product and salt.	As certified, -----	5773
5.15	4.00	12.23	13.50	3 00	Cottonseed meal, linseed meal, brewers' dried grains, gluten feed, wheat bran, ground corn, ground re-cleaned wheat screenings, ground clipped oat by-product and salt.	As certified, -----	6843
4.98	-----	12.99	-----	3 32			
7.15	7.00	5.86	8.00	2 25	Palm oil middlings with ground screenings not exceeding mill run.	Wheat and rye middlings and palm oil.	6818
6.73	7.00	4.37	8.00	2 60	Palm oil middlings with ground screenings not exceeding mill run.	Rye middlings and palm oil.	6254
6.94	-----	5.11	-----	2 43			
4.77	5.00	10.30	12.00	4 00	Molasses, alfalfa meal, linseed meal, cocoanut meal, corn feed meal, ground barley, cottonseed meal, peanut meal, calcium carbonate and salt.	As certified, -----	6680
4.16	5.00	10.92	12.00	4 25	Molasses, alfalfa meal, linseed meal, cocoanut meal, corn feed meal, ground barley, cottonseed meal, peanut meal, calcium carbonate and salt.	As certified, -----	6242
4.37	-----	10.61	-----	4 13			
5.89	4.50	8.88	8.00	70 00	Wheat bran, linseed meal, prime cottonseed meal, prime peanut meal, cocoanut meal, corn gluten feed, corn distillers' dried grains, corn feed meal, alfalfa meal, molasses, salt and calcium carbonate.	Corn gluten feed not detected.	6609
					meal, prime cottonseed meal, cocoanut meal, corn gluten feed, corn feed meal, ground and bolted grain screenings, clipped oat by-product, molasses, salt and calcium carbonate.	Found also small whole weed seeds.	6577

TABLE III.—ANALYSES OF SAMPLES OF

Chemists' number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6099	*Sucrene Dairy Feed, -----	M. C. Dietz & Son, Mechanicsburg.	% 12.10	% 16.70	% 16.50
6035	*Sucrene Dairy Feed, -----	Excelsior Flour & Feed Co., Freedom.	15.90	15.81	16.50
6309	Sucrene Dairy Feed, -----	B. Linder, New Kensington.	10.42	19.56	16.50
6297	Sucrene Dairy Feed, -----	Harry May, Leechburg, --	10.94	19.54	16.50
6700	Sucrene Dairy Feed, -----	E. C. Noll, Lewisburg, ---	12.95	15.59	16.50
6098	Sucrene Dairy Feed, -----	R. F. Owings, York, ----	9.65	17.13	16.50
		Average, -----	11.87	17.70	-----
6135	ARCADY FARMS MILLING CO., CHICAGO, ILL. *Arcady Dairy Feed, -----	E. L. Smith & Co., Union City.	14.98	16.53	16.90

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat. %		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.74	3.50	12.57	14.00	3 00	Molasses, ground and bolted grain screenings, clipped oat by-product, corn feed meal, ground barley, cottonseed meal, cocoanut meal, calcium carbonate and salt.	Clipped oat by-product not detected. Found instead oatmeal mill by-product.	6034
3.08	3.50	9.78	14.00	57 00	Molasses, ground and bolted grain screenings, clipped oat by-product, corn feed meal, ground barley, cottonseed meal, cocoanut meal, calcium carbonate and salt.	As certified, -----	6035
5.65	3.50	8.92	10.00	4 00	Wheat bran, linseed meal, prime cottonseed meal, cocoanut meal, corn gluten feed, corn feed meal, ground and bolted grain screenings, clipped oat by-product, molasses, salt and calcium carbonate.	As certified, -----	6309
5.13	3.50	9.13	10.00	4 00	Wheat bran, linseed meal, prime cottonseed meal, cocoanut meal, corn gluten feed, corn feed meal, ground and bolted grain screenings, clipped oat by-product, molasses, salt and calcium carbonate.	As certified, -----	6297
5.80	3.50	9.20	10.00	60 00	Wheat bran, linseed meal, prime cottonseed meal, cocoanut meal, corn gluten feed, corn feed meal, ground and bolted grain screenings, clipped oat by-product, molasses, salt and calcium carbonate.	Corn gluten feed not detected. Found also corn distillers' dried grains.	6700
4.45	3.50	10.21	10.00	60 00	Wheat bran, linseed meal, prime cottonseed meal, corn gluten feed, corn feed meal, ground and bolted grain screenings, clipped oat by-product, molasses, salt and calcium carbonate.	Corn gluten feed not detected. Found also cocoanut oil meal, screenings, oil cake meal and Kaffir corn distillers' dried grains.	6698
4.77	-----	9.75	-----	66 00			
3.96	4.00	10.4	15.00	3 00	Cottonseed meal, malt sprouts, dried grains from barley malt and corn, cleaned ground and bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6135

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled at	Moisture.	Protein.	
				Found.	Guaranteed.
6329	BLANK & GOTTSHALL, SUN-BURY, PA. B. & G. Dairy Feed, -----	Blank & Gottshall, Sunbury.	% 7.90	% 20.31	% 20.00
6025	THE CANTON FEED & MILLING CO., CANTON, OHIO. *Bako Milk Feed, -----	J. R. Anderson, Beaver Falls.	7.60	25.19	24.00
6040	Okay Dairy Feed, -----	Stager Co., New Brighton,	8.95	25.63	24.00
6193	CLOVER LEAF MILLING CO., BUFFALO, N. Y. *Cloverdale Milk Grains, -----	Henry S. Beidler, Doylestown.	13.00	21.28	22.00
6672	Clover Leaf Mills Dairy Feed, -----	Dannals Milling Co., Altoona.	13.00	15.61	16.00
6822	Clover Leaf Mills Dairy Feed, -----	Duncannon Flouring Mill Co., Duncannon.	12.50	16.67	16.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.30	5.00	10.40	10.00	3 70	Corn bran, wheat bran, dried brewers' grains, wheat midds, gluten feed, alfalfa, molasses, linseed meal, cottonseed feed, and $\frac{1}{2}$ or 1% salt.	Found also buckwheat middlings.	6529
8.33	7.00	11.82	12.50	3 65	Molasses, ground and bolted grain screenings, clipped oat by-product, corn feed meal, ground barley, cottonseed meal, coconut meal, oil meal and salt.	Cocoanut oil meal not detected. Found also a large amount ground cocoa shells.	6025
6.20	5.00	10.90	9.00	3 75	Old process linseed oil meal, cottonseed meal, wheat bran, cocoa meal, corn distillers' dried grains, corn gluten feed, ground and bolted grain screenings, palm kernel meal, cane molasses, clipped oat by-products and a small percent. of calcium carbonate and salt.	Palm kernel meal identified as cocoanut oil meal. Corn distillers' grains and corn gluten feed not detected. Found also cocoa shell meal and linseed oil meal.	6040
4.64	5.00	9.81	12.00	3 75	Cottonseed meal, pure old process linseed meal, cocoanut oil meal, corn gluten feed, wheat bran, dried grains from barley malt and corn, cleaned ground and bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6193
4.63	4.00	11.34	10.00	70 00	Cottonseed meal, pure O. P. linseed meal, cocoanut oil meal, cleaned, ground and, bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	Found also trace of cocoa shell meal and wheat bran.	6672
5.07	4.00	12.10	10.00	3 60	Cottonseed meal, pure O. P. linseed meal, cocoanut oil meal, cleaned, ground and, bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6822

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
678	Clover Leaf Mills Dairy Feed, -----	Wayne Milling Company, Honesdale.	% 12.28	% 15.55	% 16.00
6558	Clover Leaf Mills Dairy Feed, -----	The White Milling Co., Bloomsburg.	12.55	13.67	16.00
		Average, -----	12.58	15.38	-----
6108	*Clover Leaf Mills Dairy Ration, ----	Wm. B. Barnitz, Carlisle,	15.49	16.85	16.00
3872	*Clover Leaf Mills Dairy Ration, ----	Harrington Wilson, Montrose	9.65	18.88	16.00
6323	*Clover Leaf Mills Dairy Ration, ----	Lycorning Flour Mills, Williamsport.	10.75	16.56	16.00
6113	*Clover Leaf Mills Dairy Ration, ----	Mausdale Roller Mills, Mausdale.	13.15	18.80	16.00
		Average, -----	12.25	17.77	-----
6107	Master Grain Ration, -----	Wm. B. Barnitz Carlisle,	12.83	23.71	24.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemists' number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.52	4.00	12.70	10.00	2 65	Cottonseed meal, pure O. P. linseed meal, cocoanut oil meal, cleaned, ground and, bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	Found also small amount of small whole weed seeds.	6780
3.28	4.00	13.43	10.00	3 40	Cottonseed meal, pure O. P. linseed meal, cocoanut oil meal, cleaned, ground and, bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	Found also malt sprouts, malted barley, cocoa shell meal and wheat bran.	6558
4.63	-----	12.39	-----	62 75			
3.90	4.00	10.94	15.00	59 00	Cottonseed meal, pure O. P. linseed meal, cocoanut oil meal, cleaned, ground and, bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6108
4.29	4.00	12.77	15.00	3 00	Cottonseed meal, pure O. P. linseed meal, cocoanut oil meal, cleaned, ground and, bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	Cocoanut oil meal not detected. Found also brewers' dried grains, malt sprouts and small amount small whole weed seeds.	5872
4.32	4.00	10.80	15.00	3 00	Cottonseed meal, pure O. P. linseed meal, cocoanut oil meal, cleaned, ground and, bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6323
4.56	4.00	10.80	15.00	3 00	Cottonseed meal, pure O. P. linseed meal, cocoanut oil meal, cleaned, ground and, bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6113
4.29	-----	11.32	-----	59 75			
4.87	5.00	7.83	10.00	79 00	Molasses, dried grains from barley malt and corn, wheat bran, wheat middlings, pure O. P. linseed meal, corn gluten feed, cocoanut oil meal, cottonseed meal and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6107

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6092	Master Grain Ration, -----	M. O. Dietz & Son, Mechanicsburg.	% 9.22	% 24.56	% 24.00
6823	Master Grain Ration, -----	Duncannon Flouring Mill Co., Duncannon.	8.90	25.25	24.00
6573	Master Grain Ration, -----	Girton & Ammerman, Berwick.	5.47	25.44	24.00
5870	Master Grain Ration, -----	Harrington & Wilson, Montrose.	8.75	26.88	24.00
6779	Master Grain Ration, -----	Wayne Milling Co., Honesdale.	7.52	24.44	24.00
		Average, -----	8.78	25.05	-----
6106	*Peerless Milk Ration, -----	Wm. B. Brnitz, Carlisle,	13.17	20.33	20.00
6674	Peerless Milk Ration, -----	Dannals Milling Co., Altona.	12.31	20.48	20.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.36	5.00	8.97	10.00	4 60	Molasses, dried grains from barley malt and corn, wheat bran, wheat middlings, pure O. P. linseed meal, corn gluten feed, coconut oil meal, cottonseed meal and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6092
5.88	5.00	7.95	10.00	3 50	Molasses, dried grains from barley malt and corn, wheat bran, wheat middlings, pure O. P. linseed meal, corn gluten feed, coconut oil meal, cottonseed meal and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6823
5.68	5.00	7.30	10.00	4 15	Molasses, dried grains from barley malt and corn, wheat bran, wheat middlings, pure O. P. linseed meal, corn gluten feed, coconut oil meal, cottonseed meal and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6573
5.56	5.00	7.96	10.00	4 00	Molasses, dried grains from barley malt and corn, wheat bran, wheat middlings, pure O. P. linseed meal, corn gluten feed, coconut oil meal, cottonseed meal and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	5870
5.70	5.00	8.90	10.00	3 50	Cottonseed meal, corn gluten feed, linseed meal (old process), coconut oil meal, wheat bran, wheat middlings, dried grains from barley malt and corn, molasses and one per cent. fine table salt.	As certified, -----	6779
5.42	-----	8.15	-----	77 00			
4.31	5.00	10.72	12.00	69 00	Cottonseed meal, pure O. P. linseed meal, coconut oil meal, dried grains from barley malt and corn, cleaned, ground and bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6106
5.26	4.50	9.69	10.00	79 00	Cottonseed meal, pure O. P. linseed meal, coconut oil meal, corn gluten feed, wheat bran, dried grains from barley malt and corn, cleaned, ground and bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6674

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6094	*Peerless Milk Ration, -----	M. C. Dietz & Son, Mechanicsburg.	% 11.72	% 20.95	% 20.00
6821	Peerless Milk Ration, -----	Duncannon Flouring Mill Co., Duncannon.	9.25	23.50	20.00
6324	Peerless Milk Ration, -----	Lycoming Flour Mills, Williamsport.	14.46	19.82	20.00
6112	*Peerless Milk Ration, -----	Mausdale Roller Mills, Mausdale.	12.36	21.91	20.00
6079	*Peerless Milk Ration, -----	Simpson Brothers, Norristown.	10.23	20.83	20.00
6367	Peerless Milk Ration, -----	Spanogle - Yeager Milling Co.	13.21	18.66	20.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.83	5.00	12.96	12.00	3 50	Cottonseed meal, pure O. P. linseed meal, cocoanut oil meal, dried grains from barley malt and corn, ground and bolted clipped oat by-product, cleaned, ground and bolted grain screenings, molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6094
6.46	4.50	9.97	10.00	3 25	Cottonseed meal, pure O. P. linseed meal, cocoanut oil meal, corn gluten feed, wheat bran, dried grains from barley malt and corn, cleaned, ground and bolted grain screenings, ground bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6821
5.10	4.50	10.46	10.00	3 50	Cottonseed meal, pure O. P. linseed meal, cocoanut oil meal, corn gluten feed, wheat bran, dried grains from barley malt and corn, cleaned, ground and bolted grain screenings; ground bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6324
4.38	5.00	12.28	12.00	3 50	Cottonseed meal, pure old process linseed meal, cocoanut meal, dried grains from barley malt and corn, ground and bolted clipped oat by-product, cleaned, ground and bolted grain screenings, molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6112
4.83	5.00	10.47	12.00	3 75	Cottonseed meal, pure old process linseed meal, cocoanut oil meal, dried grains from barley malt and corn, cleaned, ground and bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6079
4.88	4.50	11.73	10.00	3 60	Cottonseed meal, pure old process linseed seed meal, cocoanut oil meal, corn gluten feed, wheat bran, dried grains from barley malt and corn, cleaned, ground and bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% salt.	Found also cocoa shell meal and small amount small whole weed seeds.	6367

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5800	*Peerless Milk Ration, -----	C. B. Tyler, Tunkhannock.	% 8.70	% 22.75	% 20.00
6781	Peerless Milk Ration, -----	Wayne Milling Co., Honesdale.	4.46	23.21	20.00
6559	Peerless Milk Ration, -----	The White Milling Co., Bloomsburg.	11.00	18.69	20.00
		Average, -----	10.98	21.01	-----
6105	Sweet Clover Mills Ready Ration, --	Wm. B. Barnitz, Carlisle,	11.84	22.7	24.00
6096	Sweet Clover Mills Ready Ration, --	M. O. Dietz & Son, Mechanicsburg.	8.25	29.06	24.00
6557	Sweet Clover Mills Ready Ration, --	The White Milling Co., Bloomsburg.	13.65	19.75	24.00
		Average, -----	11.24	25.79	-----
6527	THE CORNO MILLS CO., ST. LOUIS, MO. Nutro Sweet Dairy Feed, -----	Louis Sherer, South Fork,	13.00	17.93	16.00

Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.67	5.00	15.22	12.00	3 75	Cottonseed meal, old process linseed meal, coconut oil meal, brewers' dried grains, ground and bolted clipped oat by-product, cleaned, ground and bolted grain screenings, molasses and $\frac{1}{2}$ of 1% salt.	Clipped oat by-product not detected. Found also malt sprouts, corn distillers' dried grains, cocoa shell meal, large amount of rice hulls and small amount small whole weed seeds.	5800
3.57	4.50	11.16	10.00	3 10	Cottonseed meal, pure old process linseed meal, coconut oil meal, corn gluten feed, wheat bran, dried grains from barley malt and corn, cleaned ground and bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	Found also small amount of small whole weed seeds.	6781
4.65	4.50	11.22	10.00	3 75	Cottonseed meal, pure old process linseed meal, coconut oil meal, corn gluten feed, wheat bran, dried grains from barley malt and corn, cleaned ground and bolted grain screenings, ground and bolted clipped oat by-product, molasses and $\frac{1}{2}$ of 1% fine table salt.	Found also small amount of small whole weed seeds.	6559
5.09	-----	11.44	-----	71 09			
3.24	4.50	12.36	12.50	79 60	Cottonseed meal, pure old process linseed meal, coconut oil meal, corn gluten feed, alfalfa meal, molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6105
5.35	4.50	12.55	13.50	3 75	Cottonseed meal, pure old process linseed meal, coconut oil meal, corn gluten feed, alfalfa meal, molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6096
3.81	4.50	12.03	14.00	4 25	Cottonseed meal, pure old process linseed meal, coconut oil meal, corn gluten feed, alfalfa meal, molasses and $\frac{1}{2}$ of 1% fine table salt.	Found also small amount malt sprouts.	6557
4.13	-----	12.31	-----	79 67			
4.52	3.50	14.17	10.00	3 75	Wheat bran, cottonseed meal, oat middlings, oat shorts, oat hulls, alfalfa meal and molasses.	As certified, -----	6527

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6578	Pawnee Sweet Dairy Feed, -----	J. K. Lawson, Washington.	% 12.87	% 17.93	% 20.00
6495	JOHN W. ESHELMAN & SONS, LANCASTER, PA. Eshelman's 16½ Dairy Feed, -----	Brown & Rea, Atglen, ---	9.50	18.44	16.50
5898	Eshelman's 16½ Dairy Feed, -----	John W. Eshelman & Sons, Lancaster.	8.90	19.06	16.50
6622	Eshelman's 20 Dairy Feed, -----	Average, ----- Dillsburg Grain & Milling Co., Dillsburg.	9.26 8.50	18.75 20.63	----- 20.00
5902	Eshelman's 20 Dairy Feed, -----	John W. Eshelman & Sons, Lancaster.	8.52	20.94	20.00
5727	Eshelman's 20 Dairy Feed, -----	Greencastle Milling Co., Greencastle.	8.30	18.88	20.00
6145	Eshelman's 20 Dairy Feed, -----	Handwork Bros., Coatesville.	8.37	21.56	20.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.38	3.50	11.35	10.00	4 10	Gluten feed, cottonseed meal, wheat bran, oat middlings, oat shorts and oat hulls, choice alfalfa meal, linseed meal, molasses and 1% salt.	As certified, -----	6573
5.03	3.50	11.45	10.00	64 00	Cottonseed meal, corn gluten feed, alfalfa meal, old process oil meal, wheat bran, reground grain screenings, wheat middlings, ground barley, oatmeal mill by-product, ground oats, cane molasses and $\frac{1}{2}$ of 1% salt.	Found also screenings oil cake meal.	6405
6.23	3.50	11.02	14.00	3 00	Cottonseed meal, corn gluten feed, cocoanut oil meal, reground grain screenings, reground oat clips, molasses, wheat middlings, wheat bran, alfalfa meal, ground barley, ground oats, old process oil meal and $\frac{1}{2}$ of 1% salt.	Cocoanut oil meal and reground oat clips not detected. Found also screenings oil cake meal and a small amount small weed seeds.	5898
5.62	-----	11.23	-----	62 00			
5.05	4.00	12.70	12.00	3 05	Cottonseed meal, corn gluten feed, old process oil meal, cocoanut oil meal, reground grain screenings, alfalfa meal, wheat bran, wheat middlings, cane molasses and $\frac{1}{2}$ of 1% salt.	Cocoanut oil meal not detected. Found also screenings oil cake meal and a small amount small whole weed seeds.	6622
5.38	4.00	10.47	12.00	40	Cottonseed meal, corn gluten feed, old process oil meal, cocoanut oil meal, reground grain screenings, alfalfa meal, wheat bran, wheat middlings, cane molasses and $\frac{1}{2}$ of 1% salt.	Cocoanut oil meal not detected. Found also screenings oil cake meal, peanut skins and a small amount small whole weed seeds.	5902
4.92	4.00	12.50	12.00	3 00	Alfalfa meal, reground grain screenings, cottonseed meal, cocoanut oil meal, corn gluten meal, old process oil meal, wheat middlings, wheat bran, corn gluten feed, cane molasses and $\frac{1}{2}$ of 1% salt.	Found also screenings oil cake meal.	6727
4.15	4.00	9.35	12.00	3 50	Cottonseed meal, ground oat clips, corn gluten feed, corn gluten meal, wheat bran, old process oil meal, molasses, alfalfa meal, cocoanut oil meal, wheat middlings, recleaned grain screenings and $\frac{1}{2}$ of 1% salt.	Old process oil meal and cocoanut oil meal not detected. Found also small amount peanut hulls and screenings oil cake meal.	6145

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
6382	Eshelman's 20 Dairy Feed, -----	Quarryville Farmers Association, Quarryville.	8.75	23.38	20.00
		Average, -----	8.48	21.08	-----
5903	Eshelman's 24 Dairy Feed, -----	John W. Eshelman & Sons, Lancaster.	7.75	28.00	24.00
	GLOBE ELEVATOR CO., BUFFALO, N. Y.				
6901	*Anchor Dairy Feed, -----	Jefferson Flour & Feed Co., Punxsutawney.	15.90	12.71	13.50
5799	Anchor Dairy Feed, -----	C. B. Tyler, Tankhansock, -----	10.87	13.75	13.50 to 15.00
		Average, -----	9.88	13.23	-----
	HALES & HUNTER CO., CHICAGO, ILL.				
6023	*Gold Flake Dairy Feed, -----	John G. Allen, Beaver Falls.	13.99	11.50	16.00
5825	*Gold Flake Dairy Feed, -----	P. J. Oesterling & Son, Butler.	10.17	14.94	16.00
		Average, -----	12.08	13.22	-----
	DWIGHT HAMLIN, PITTSBURGH, PA.				
6082	H. & S. Dairy Feed, -----	Simpson Brothers, Norristown.	11.81	20.07	20.25
	THE H.-O. COMPANY, BUFFALO, N. Y.				
5829	*Algrane Milk Feed, -----	I. J. Pizer & Son, Mercer,	9.27	14.44	14.00
Not Registered.					

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
6.00	4.00	11.35	12.00	3 90	Cottonseed meal, corn gluten meal, corn gluten feed, old process oil meal, cocoanut oil meal, reground grain screenings, alfalfa meal, wheat bran, wheat middlings, cane molasses and of 1% salt.	Found also screenings oil cake meal.	6382
5.10		11.27		3 49			
5.23	5.00	11.35	12.00	3 85	Choice cottonseed meal, corn gluten feed, old process oil meal, corn gluten meal, cocoanut oil meal, wheat middlings, wheat bran, molasses, alfalfa meal and $\frac{1}{2}$ of 1% salt.	Linseed oil meal not detected. Found also screenings oil cake meal and a small amount of peanut skins.	5903
2.31	3.00	10.01	15.00	3 09	Cottonseed meal, linseed oil meal, corn gluten feed, ground grain screenings and clipped oat by-product, cane molasses, salt $\frac{1}{2}$ of 1%.	Found also small amount small whole weed seeds.	6601
2.64	3.00	9.55	15.00	2 50	Cottonseed meal, corn gluten feed, linseed oil meal, ground grain screenings, cane molasses, salt $\frac{1}{2}$ of 1%.	Found also large amount of oat hulls.	5799
2.48		9.78		2 75			
2 69	3.50	18.67	15.00	3 00	Cottonseed meal, corn gluten feed, linseed oil meal, clipped oat by-product, ground and bolted wheat, barley and Kaffir screenings, molasses and salt.	Found also flax plant refuse.	6023
3.05	3.50	19.13	15.00	3 00	Cottonseed meal, corn gluten feed, linseed oil meal, molasses, clipped oat by-product, wheat, barley and Kaffir screenings and salt.	Clipped oat by-product and corn gluten feed not detected. Found also flax plant refuse.	5825
2.84		18.87		3 00			
4.97	4.00	19.57	16.00	3 75	Wheat bran, oil meal, cottonseed meal, brewers' and vinegar grains, pure cane syrup and $\frac{1}{2}$ of 1% salt.	As certified, -----	6082
4.02	4.00	6 92	12.00	61 00	Wheat midds, cottonseed meal, oat shorts, corn gluten feed, ground corn, ground oats, ground grain screenings, molasses, salt $\frac{1}{2}$ of 1%, clipped oat by-product, linseed oil meal.	Found also barley,	5829

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6133	*Milk Feed with Molasses, -----	Z. A. Brace & Son, Waterford.	% 14.84	% 15.67	% 14.00
6524	Read The Tag Dairy Feed, -----	Clyde D. Duffee, Oil City,	10.75	19.69	20.00
5822	INTERNATIONAL SUGAR FEED CO., MINNEAPOLIS, MINN. International Diamond Dairy Feed,--	P. J. Oesterling & Son, Butler.	12.68	24.64	25.00
6630	*International Ready Ration, -----	The Cook Grain, Feed & Supply Co., Dillsburg.	12.71	20.30	20.00
5823	*International Ready Ration, -----	P. P. Oesterling & Son, Butler.	9.80	24.00	20.00
6081	*Interantional Ready Ration, -----	Shinnson Brothers, Norristown.	9.62	21.25	20.00
6826	*International Ready Ration, -----	A. H. Ulsh's Sons, Millertown.	10.97	20.97	20.00
		Average, -----	10.77	21.63	-----
5867	*International Special Dairy Feed, --	Andre & Sweet, Montrose,	10.00	16.69	15.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.90	4.00	16.61	15.00	3 20	Cottonseed meal, linseed oil meal, corn gluten feed, ground corn, wheat midds (with mill run screenings), ground barley, molasses, salt $\frac{1}{2}$ of 1%, oat hulls, oat shorts, oat clippings not over 600 lbs. per ton.	As certified, -----	6133
4.55	5.00	9.42	9.50	4 30	Cottonseed meal, corn gluten feed, linseed oil meal, corn meal, hominy feed, ground barley, wheat midds (with mill run screenings), molasses, salt $\frac{3}{4}$ of 1%, oat hulls and oat shorts, not over 225 lbs. per ton.	As certified, -----	6524
5.04	5.00	9.48	10.00	3 85	Corn gluten feed, wheat bran, linseed oil meal, cottonseed meal, molasses, ground and bolted screenings from wheat & salt.	As certified, -----	5822
4.37	3.00	10.02	11.50	3 50	Old process oil meal, cottonseed meal, corn gluten feed, wheat bran, molasses, ground clipped oat by-product, ground cleaned grain screenings, salt.	Found also ground barley and a small amount small whole weed seeds.	6630
4.27	5.00	10.08	15.00	3 50	Old process oil meal, cottonseed meal, corn gluten feed, wheat bran, molasses, ground clipped oat by-product, ground cleaned grain screenings, salt.	As certified, -----	5823
4.70	5.00	10.20	15.00	3 75	Old process oil meal, cottonseed meal, corn gluten feed, wheat bran, molasses, ground clipped oat by-product, ground cleaned grain screenings, salt.	Found also small amount small whole weed seeds.	6081
4.99	5.00	9.99	11.50	3 25	Old process oil meal, cottonseed meal, corn gluten feed, wheat bran, molasses, ground clipped oat by-product, ground cleaned grain screenings, salt.	Found also small amount small whole weed seeds.	6826
4.58	-----	10.07	-----	3 50			
4.88	4.00	12.46	15.00	2.75	Old process oil meal, cottonseed meal, corn gluten feed, wheat bran, molasses, ground clipped oat by-product, salt, ground cleaned grain screenings.	Found also small amount small whole weed seeds.	5867

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5826	*International Special Dairy Feed, --	P. J. Oesterling & Son, Butler.	% 9.87	% 17.75	% 15.00
	CHARLES A. KRAUSE MILLING CO., MILWAUKEE, WIS.	Average, -----	9.93	17.22	-----
5857	Badger Dairy Feed, -----	Brown & Fassett, Mont- rose.	12.05	20.16	16.50
6469	Badger Dairy Feed, -----	Christiana Grain & Sup- ply Co., Christiana.	13.31	16.27	16.50
6013	Badger Dairy Feed, -----	J. W. Craft & Sons, Ambler.	12.87	19.03	16.50
5941	Badger Dairy Feed, -----	Johnston & Smith, Wil- kinsburg.	15.75	17.04	16.50
6026	*Badger Dairy Feed, -----	Klepser Brothers, Altoona,	13.23	16.61	16.50
6358	Badger Dairy Feed, -----	Lewistown Ice & Storage Co., Lewistown.	14.76	17.24	16.50
6617	Badger Dairy Feed, -----	C. P. Matthews & Sons, Inc., Scranton.	12.09	15.39	16.50
6230	Badger Dairy Feed, -----	The G. F. Musser Co., Bellefonte.	13.33	18.05	16.50
		Average, -----	13.49	17.47	-----
5821	Badger Sweet Cud Dairy Feed, -----	P. J. Oesterling & Son, Butler.	11.01	25.72	24.00
6075	*Blue Top Dairy Feed, -----	J. W. Craft & Sons, Ambler.	10.23	23.69	24.00
	LADISH MILLING CO., MILWAU- KEE, WIS.				
6401	Alfa-Bran Dairy Feed, -----	W. W. Davidson & Son, Ellwood City.	12.65	15.01	11.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.10	4.50	10.90	15.00	2 90	Old process oil meal, cottonseed meal, corn gluten feed, wheat bran, molasses, ground clipped oat by-product, salt, ground cleaned grain screenings.	Found also small amount small whole weed seeds.	5826
4.99	-----	11.68	-----	2 83			
6.00	3.50	17.62	15.00	2 60	Cottonseed meal, alfalfa meal, ground and bolted screenings from wheat, oats and flax, molasses and salt.	Found also flax plant refuse and small amount small whole weed seeds.	5857
3.96	3.50	12.53	18.00	64 00	Cottonseed meal, alfalfa meal, ground and bolted screenings from wheat, oats and flax, molasses and salt.	Found also oat hulls and small amount small whole weed seeds.	6409
3.87	3.50	20.55	15.00	3 25	Cottonseed meal, alfalfa meal, ground and bolted screenings from wheat, oats and flax, salt and molasses.	Found also large amount flax plant refuse.	6073
3.25	3.50	12.39	15.00	3 25	Cottonseed meal, alfalfa meal, ground and bolted screenings from wheat, oats and flax, salt and molasses.	Found also small amount small whole weed seeds.	5941
4.07	3.50	18.00	18.00	4 00	Cottonseed meal, alfalfa meal, ground and bolted screenings from wheat, flax plant by-product, molasses and salt.	Found also small amount whole weed seeds.	6686
3.78	3.50	11.89	15.00	3 00	Cottonseed meal, alfalfa meal, ground and bolted screenings from wheat, oats and flax, molasses and salt.	Found also flax plant refuse.	6358
4.49	3.50	12.46	15.00	3 60	Cottonseed meal, alfalfa meal, ground and bolted screenings from wheat, oats and flax, molasses and salt.	Found also small amount flax plant refuse and small whole weed seeds.	6617
3.56	3.50	11.49	18.00	3 35	Cottonseed meal, alfalfa meal, ground and bolted screenings from wheat, oats and flax, molasses and salt.	Found also oat hulls,	6230
4.12	-----	14.61	-----	65 63			
2.97	3.75	12.70	15.00	3 90	Cottonseed meal, malt sprouts, alfalfa, gluten feed, brewers' grains, molasses and salt.	As certified, -----	5821
3.16	3.75	12.70	15.00	3 50	Corn gluten feed, brewers' dried grains, cottonseed meal, malt sprouts, alfalfa, molasses and salt.	As certified, -----	6075
1.62	2.00	12.95	12.00	3 50	Alfalfa meal, molasses, wheat bran, wheat middlings (with ground screenings not exceeding mill run) and salt.	As certified, -----	6401

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6691	Reeord Maker Dairy Feed, -----	H. A. Kjellman, Altoona,	% 12.81	% 25.11	% 24.00
5830	THE LAKE SHORE ELEBATOR CO., CLEVELAND, OHIO. Lake Shore Dairy Feed, -----	L. J. Pizer & Son, Mercer,	11.86	7.50	17.00
6493	LANCASTER MILL & ELEVATOR CO., LANCASTER, PA. Lancaster Dairy Feed, -----	Edward F. Bracken, New- town Square.	9.37	23.81	20.00
5918	Lancaser Dairy Feed, -----	Edward F. Braeken, Paoli,	9.05	19.38	20.00
5997	Lancaser Dairy Feed, -----	Lehman & Wolgemuth, Elizabethtown.	11.97	22.60	20.00
		Average, -----	10.13	21.93	-----
6626	NOWAK MILLING CORPORATION, BUFALO, N. Y. Domino Butterine Dairy Feed, -----	Dillsburg Grain & Milling Co., Dillsburg.	12.76	16.95	17.00
6681	Domino Buterine Dairy Feed, -----	Fay Milling Co., Holli- daysburg.	12.00	17.34	17.00
5766	Domino Butterine Dairy Feed, -----	Johnstown Milling Co., Johnstown.	11.66	19.04	17.00
5991	Domino Buterine Dairy Feed, -----	Muth Brothers, Elizabeth- town.	12.61	17.39	17.00
		Average, -----	12.25	17.68	-----

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.23	4.50	9.77	13.00	4 25	Cottonseed meal, linseed meal, corn gluten feed, ground oats, hominy feed, copra meal, alfalfa meal, molasses, wheat bran with ground screenings not exceeding mill run, salt.	As certified, -----	6691
2.22	3.00	21.84	11.00	3 00	Cottonseed meal, distillers' grains, malt sprouts, corn bran screenings, molasses, corn.	Found also 45% of cottonseed hulls.	5830
5.15	4.00	14.42	12.00	4 00	Alfalfa meal, wheat bran, corn gluten feed, corn gluten meal, cocoanut oil meal, cottonseed meal, old process oil meal, wheat middlings, reground grain screenings, cane molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6493
5.70	4.00	11.88	10.00	3 50	Alfalfa meal, reground grain screenings, corn gluten feed, oil meal, clipped oat by-product, cottonseed meal, cane molasses and $\frac{1}{2}$ of 1% salt.	Clipped oat by-product not detected. Oil meal identified as cocoanut oil meal. Found also small amount small whole weed seeds.	5918
3.97	4.00	10.65	10.00	65.00	Alfalfa meal, cottonseed meal, bran, corn glutenfeed, oil meal, clipped oat by-product, reground screenings, cane molasses and $\frac{1}{2}$ of 1% salt.	Found also small amount small whole weed seeds.	5997
4.94	-----	12.31	-----	71.67			
4.89	3.50	10.30	15.00	3 30	Cottonseed meal, corn gluten feed, brewers' dried grains, ground and bolted wheat screenings, $\frac{3}{4}$ of 1% salt and molasses.	Found also small amount flaxseed and small amount whole weed seeds.	6626
4.97	3.50	11.08	15.00	3 75	Cottonseed meal, corn gluten feed, brewers' dried grains, ground and bolted grain screenings, molasses, $\frac{1}{2}$ of 1% salt.	Found also small amount small whole weed seeds.	6681
4.71	3.50	10.38	15.00	68 00	Cottonseed meal, corn gluten feed, brewers' dried grains, ground and bolted grain screenings, molasses, $\frac{1}{2}$ of 1% salt.	Found also small amount small whole weed seeds.	5766
5.16	3.50	12.62	15.00	2 95	Cottonseed meal, corn gluten feed, brewers' dried grains, ground and bolted wheat screenings, $\frac{3}{4}$ of 1% salt and molasses.	Found also small amount small whole weed seeds.	5991
4.93	-----	11.09	-----	67 00			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5769	Domino Creamolene Dairy Ration, --	Johnstown Milling Co., Johnstown.	% 9.40	% 23.13	% 20.00
6677	Union Dairy Feed, -----	Fay Milling Co., Hilli- daysburg.	12.17	13.56	14.00
5849	THE QUAKER OATS CO., CHI- CAGO, ILL. *Quaker Dairy Feed with Molasses,--	J. H. Duttera, New Ox- ford.	10.57	16.68	16.00
5884	*Quaker Dairy Feed with Molasses,--	Hardy & Porter, Dunbar,	12.20	18.87	16.00
6063	*Quaker Dairy Feed with Molasses,--	A. H. Klugh, New Ken- sington.	14.44	15.63	16.00
6114	*Quaker Dairy Feed with Molasses,--	Mausdale Roller Mills, Mausdale.	13.47	14.33	16.00
5842	*Quaker Dairy Feed with Molasses,--	C. M. Wolf, Gettysburg,	10.90	17.81	16.00
Average, -----			12.31	16.66	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.24	4.00	10.55	12.00	74 00	Cottonseed meal, linseed oil meal, brewers' dried grains, corn gluten feed, cocoanut oil meal, ground and bolted wheat screenings, $\frac{1}{2}\%$ salt and molasses.	Found also small amount small whole weed seeds.	5769
3.16	3.50	11.21	15.00	3 25	Cottonseed meal, oil meal, ground grain screenings and molasses.	Oil meal identified as linseed oil meal. Found also cocoa shell meal, clipped oat by-product and small amount small whole weed seeds.	6677
4.97	4.50	12.78	16.00	2 70	Molasses, corn distillers' grains and solubles, cottonseed meal, ground grain screenings, oat meal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{3}{4}$ of 1% salt, calcium phosphate, velvet bean meal.	Corn distillers' dried grains not detected. Found also small amount small whole weed seeds.	5849
4.18	4.50	12.72	16.00	3 50	Molasses, corn distillers' grains and solubles, cottonseed meal, ground grain screenings, oat meal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{3}{4}$ of 1% salt, calcium phosphate, velvet bean feed.	Corn distillers' dried grains and velvet bean feed not detected. Found also small amount small whole weed seeds.	5884
4.46	4.50	11.58	16.00	3 35	Molasses, corn distillers' grains and solubles, cottonseed meal, ground grain screenings, oat meal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{3}{4}$ of 1% salt, calcium phosphate, velvet bean feed.	Corn distillers' dried grains, oat meal mill by-product and velvet bean feed not detected. Found also clipped oat by-product and small amount small whole weed seeds.	6063
4.14	4.50	14.69	16.00	3 00	Molasses, corn distillers' grains and solubles, cottonseed meal, ground grain screenings, oat meal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{3}{4}$ of 1% salt, calcium phosphate, velvet bean feed.	Corn distillers' dried grains and oat meal mill by-product not detected. Found also clipped oat by-product and small amount small whole weed seeds.	6114
5.15	4.50	12.33	16.00	2 65	Molasses, corn distillers' grains and solubles, cottonseed meal, ground grain screenings, oat meal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{3}{4}$ of 1% salt, calcium phosphate, velvet bean meal.	Found also velvet bean and pod meal and small amount small whole weed seeds.	5842
4.58	-----	12.82	-----	3 04			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
RALSTON PURINA CO., BUF- FALO, N. Y.					
6104	Protana Dairy Feed, -----	Wm. B. Barnitz, Carlisle,	% 13.24	% 16.92	% 16.00
6245	Protana Dairy Feed, -----	Huntingdon Milling Co., Huntingdon.	13.64	20.32	16.00
6226	Protana Dairy Feed, -----	E. E. Wentz, Lock Haven,	13.66	18.27	16.00
		Average, -----	13.51	18.50	-----
6704	Purina Cow Chow Feed, -----	Bradford & Co., Center Hall,	13.21	26.36	24.00
6095	Purina Cow Chow Feed, -----	M. C. Dietz & Son, Me- chanicsburg.	16.93	25.59	24.00
6627	Purina Cow Chow Feed, -----	Dillsburg Grain & Milling Co., Dillsburg.	10.90	23.77	24.00
6338	Purina Cow Chow Feed, -----	O. S. Ebersole, Penbrook,	9.85	26.50	24.00
6773	Purina Cow Chow Feed, -----	Honesdale Milling Co., Honesdale.	10.99	24.01	24.00
6840	Purina Cow Chow Feed, -----	A. K. Kulp, Pottstown,--	9.27	26.25	24.00
6455	Purina Cow Chow Feed, -----	Port Allegany Milling Co., Port Allegany.	12.69	23.30	24.00
6277	Purina Cow Chow Feed, -----	Chas. O. Salberg, Ridg- way.	12.15	24.19	24.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.28	3.00	10.71	10.00	60 00	Cottonseed meal, gluten feed from corn, clipped oat by-product, ground wheat screenings, molasses and 1% salt.	As certified, -----	6104
3.68	3.00	9.19	10.00	3 25	Cottonseed meal, gluten feed from corn, clipped oat by-product, ground wheat screenings, molasses and 1% salt.	Clipped oat by-product not detected. Found also oat meal mill by-product and small amount small whole weed seeds.	6245
3.78	3.00	10.79	10.00	3 50	Cottonseed meal, gluten feed from corn, clipped oat by-product, ground wheat screenings, molasses and 1% salt.	Clipped oat by-product not detected. Found also oat meal mill by-product.	6226
3.58	-----	10.23	-----	65 00			
4.16	4.30	11.26	12.00	4 00	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	As certified, -----	6704
4.19	4.30	10.76	12.00	4 00	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	Found also corn feed meal.	6095
4.47	4.30	10.61	12.00	4 10	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	As certified, -----	6627
4.98	4.30	10.25	12.00	4 25	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	As certified, -----	6338
5.44	4.30	11.78	12.00	3 90	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	As certified, -----	6773
4.73	4.30	10.48	12.00	3 00	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	Found also corn feed meal.	6840
4.53	4.30	11.20	12.00	4 20	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	As certified, -----	6455
4.69	4.30	10.40	12.00	4 50	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	As certified, -----	6277

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6464	Purina Cow Chow Feed, -----	A. C. Snyder & Son, Clarion.	% 13.68	% 23.21	% 24.00
6238	Purina Cow Chow Feed, -----	E. E. Wentz, Lock Haven,	12.78	24.81	24.00
6345	Purina Cow Chow Feed, -----	J. A. Williams, California,	8.55	25.81	24.00
6855	Purina Cow Chow Feed, -----	T. F. Wilson, Irwin, ---	7.99	26.90	24.00
		Average, -----	11.08	25.06	-----
5902	Purina Dairy Feed, -----	Latrobe Feed & Supply Co., Latrobe.	12.00	22.54	20.00
6059	ROSENBAUM BROTHERS, CHICAGO, ILL. Will Pay Dairy Feed, -----	A. H. Klugh, New Kensington.	14.25	17.62	16.00
5817	THOMPSON & GLENN, BUTLER, PA. *Perfection Dairy Feed, -----	Thompson & Glenn, Butler,	11.20	21.65	20.00
6795	TIOGA MILL & ELEVATOR CO., WAVERLY, N. Y. Red Brand Ti-O-Ga Dairy Feed, ----	C. A. Jayne, Skinners Eddy.	7.55	24.38	23.00
6370	U. S. FOOD PRODUCTS CORPORATION, PEORIA, ILL. Farmer Jones Brand Dairy Feed, ----	The Lancaster County Farmers' Supply Co., Inc., Manheim.	10.50	24.25	20.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.85	4.30	9.54	12.00	4 25	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	As certified, -----	6464
4.47	4.30	10.68	12.00	4 25	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	As certified, -----	6228
4.98	4.30	11.57	12.00	4 00	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	As certified, -----	6345
4.70	4.30	11.13	12.00	3 90	Linseed oil meal (old process), gluten feed from corn, hominy feed, cottonseed meal, ground alfalfa, molasses and 1% salt.	Found also corn feed meal.	6855
4.60	-----	10.80	-----	4 03			
3 44	3.40	13.61	15.70	3 60	Cottonseed meal, linseed oil meal (O. P.), gluten feed from corn, molasses, ground alfalfa and 1% salt.	As certified, -----	5962
3.00	3.50	10.11	14.00	3 35	O. P. linseed oil meal, cottonseed meal, corn gluten feed, ground and bolted wheat, oats, corn, barley and Kafir screenings, molasses and 1% salt.	Found also flax screenings.	6059
5.68	5.00	10.61	15.00	65 00	Cottonseed meal, corn gluten feed, molasses, ground clipped oat by-product, salt, ground cleaned grain screenings, wheat bran and linseed oil meal.	Found also small amount small weed seeds.	5817
6.03	5.50	9.94	11.00	3 60	Old process linseed meal, dried brewers' grains, corn gluten feed, corn gluten meal, wheat bran, wheat middlings, cane molasses, salt, barley, cocoanut oil meal	As certified, -----	6795
5.25	5.00	8.95	9.00	78.00	Corn gluten feed, distillers' dried grains, molasses, cottonseed meal, pure linseed meal, pure wheat bran, pure wheat middlings, pure ground barley (guaranteed), pure ground oats (guaranteed), kiln dried fine table salt.	As certified, -----	6370

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6371	Success Dairy Feed, -----	The Lancaster County Farmers' Supply Co., Inc., Manheim.	% 12.66	% 18.25	% 16.00
WESTERN GRAIN PRODUCTS CO., HAMMOND, IND.					
6842	*Hammond Dairy Feed, -----	A. K. Kulp, Pottstown,----	11.51	17.83	16.50
6039	*Hammond Dairy Feed, -----	Stager Co., New Brighton,	13.91	16.53	16.50
Average, -----					
PROPRIETARY STOCK, HORSE AND MULE FEED.			12.71	17.18	-----
ACME-EVANS CO., INDIANAPO- LIS, IND.					
6010	Acme Sock Feed, -----	Crescent Flour & Feed Co., Punxsutawney.	9.69	10.38	9.00
6539	Acme Stock Feed, -----	John G. Emert, Somers- et.	11.15	9.06	9.00
6263	Acme Stock Feed, -----	Leibowitz Feed Mills, Altoona.	10.07	10.63	9.00
5963	Acme Stock Feed, -----	C. M. St. Clair, Latrobe,	9.75	11.69	9.00
6157	Acme Stock Feed, -----	Jacob Smutzinger, Munson,	10.35	10.94	9.00
Average, -----					
THE AKRON FEED & MILLING CO., AKRON, OHIO.			10.20	10.54	-----
5972	Portage Stock Feed, -----	R. S. Altman, Irwin, ----	10.02	9.75	9.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.89	4.00	7.87	9.00	68 00	Gluten feed, distillers' dried grains, molasses, pure linseed meal, cottonseed meal, pure winter wheat bran, pure wheat middlings, pure ground barley, pure ground oats, salt.	As certified, -----	6371
3.93	4.00	12.48	13.50	2 75	Cottonseed meal, brewers' dried grains, ground clipped oat by-product, ground grain screenings, molasses and salt.	Sample identified as Consisting largely of ground grain screenings.	6842
4.51	3.50	12.52	14.20	2 75	Cottonseed meal, corn distillers' grains, ground clipped oat by-product, ground grain screenings, molasses and salt.	Corn distillers' dried grains not detected. Found also cocoa shell meal and small amount small whole weed seeds.	6039
4.22	-----	12.50	-----	2 75			
3.58	3.50	9.85	10.00	3 25	Corn, Homlik (corn feed meal), wheat bran, wheat middlings, barley, hominy meal, oats, oat feed, oat hulls, oat middlings and salt.	As certified, -----	6010
3.50	3.50	9.85	10.00	3 90	Corn, Homlik (corn feed meal), wheat bran, wheat middlings, barley, hominy meal, oats, oat feed, oat hulls, oat middlings and salt.	Found also ground Kafir corn.	6539
3.98	3.50	11.10	10.00	3 75	Corn, Homlik (corn feed meal), wheat bran, wheat middlings, barley, hominy meal, oats, oat feed, oat hulls, oat middlings and salt.	Barley not detected,---	6263
3.53	3.50	10.02	10.00	3 00	Corn, Homlik (corn feed meal), wheat bran, wheat middlings, barley, hominy meal, oats, oat feed, oat hulls, oat middlings and salt.	As certified, -----	5963
4.25	3.00	10.52	10.00	65 00	Corn, Homlik (corn feed meal), wheat bran, wheat middlings, barley, hominy meal, oats, oat feed, oat hulls, oat middlings and salt.	As certified, -----	6157
3.77	-----	10.26	-----	68 60			
2.83	4.00	11.30	9.00	3 00	White or yellow shelled corn, barley, oat shorts, oat hulls, oat middlings, wheat middlings and $\frac{1}{2}$ of 1% salt.	Barley not detected. Yellow shelled corn used.	5972

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled at	Moisture.	Protein.	
				Found.	Guaranteed.
5767	Portage Stock Feed, -----	Johnstown Milling Co., Johnstown.	% 9.17	% 12.81	% 9.00
6018	Portage Stock Feed, -----	Monaca Roller Mills, Mo- naca.	9.92	9.38	9.00
6714	Portage Stock Feed, -----	Waynesburg Milling Co., Waynesburg.	7.55	8.81	8.50
	AMERICAN MILLING CO., PE- ORIA, ILL.	Average, -----	9.16	10.19	-----
5837	*Amco Stock Feed, -----	G. R. Thompson, Gettys- burg.	9.07	15.13 [*]	10.00
	THE CORNO MILLS CO., ST. LOUIS, MO.				
6400	Nutro Stock Feed, -----	W. W. Davidson & Son, Ellwood City.	7.75	10.88	10.00
6529	Nutro Stock Feed, -----	Louis Sherer, South Fork,	9.37	13.13	10.00
		Average, -----	8.31	10.85	-----
6577	Pawnee Stock Feed, -----	J. K. Lawson, Washing- ton.	8.92	12.25	10.00
6528	Pawnee Stock Feed, -----	Louis Sherer, South Fork,	9.37	13.13	10.0.0
6511	Pawnee Stock Feed, -----	Tionesta Milling Co., Ti- onesta.	9.07	12.81	10.00
6595	Pawnee Stock Feed, -----	Washington Milling Co., Washington.	9.07	13.19	10.00
		Average, -----	9.10	12.85	-----
	DANNALS MILLING CO., AL- TOONA, PA.				
6675	*Superior Horse Chop, -----	Dannals Milling Co., Al- toona.	10.75	13.75	8-10
	THE ALBERT DICKINSON CO., CHICAGO, ILL.				
6183	Stag Stock Feed, -----	T. K. George, Homer City,	10.50	12.50	9.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.10	4.00	10.90	9.00	3 25	White or yellow shelled corn, barley, oat shorts, oat hulls, oat middlings and $\frac{1}{2}$ of 1% salt.	As certified, -----	5767
2.55	4.00	11.65	9.00	3 10	White or yellow shelled corn, barley, oat shorts, oat hulls, oat middlings wheat middlings, and $\frac{1}{2}$ of 1% salt.	Barley not detected, --	6018
3.88	4.00	12.74	10.00	3 50	White or yellow shelled corn, barley, oat shorts, oat hulls, oat middlings and $\frac{1}{2}$ of 1% salt.	As certified, -----	6741
3.09	-----	11.64	-----	3 21			
3.75	5.50	11.21	9.00	3 00	Ground barley, linseed meal, corn feed meal, cocoanut meal, oat middlings, oat hulls, oat shorts, salt.	As certified, -----	5837
4.19	3.00	15.43	10.00	4 00	Corn meal, oat middlings, oat shorts, oat hulls, wheat bran and ground grain screenings.	As certified, -----	6400
4.13	3.00	14.05	10.00	3 60	Corn meal, oat middlings, oat shorts, oat hulls, wheat bran and ground grain screenings.	Found also small amount of whole weed seeds.	6529
4.16	-----	14.74	-----	3 80			
4.10	3.00	9.37	10.00	4 10	Corn meal, ground barley, oat middlings, oat shorts, oat hulls and wheat middlings.	As certified, -----	6577
4.18	3.00	9.32	10.00	3 75	Corn meal, ground barley, oat middlings, oat shorts, oat hulls and wheat middlings.	As certified, -----	6528
4.23	3.00	10.00	10.00	4 00	Corn meal, ground barley, oat middlings, oat shorts, oat hulls and wheat middlings.	As certified, -----	6511
4.20	3.00	11.20	10.00	3 75	Corn meal, ground barley, oat middlings, oat shorts, oat hulls and wheat middlings.	Found also small amount of rice hulls and small amount small whole weed seeds.	6595
4.18	-----	9.97	-----	3 90			
3.60	3.50 to 4.50	4.42	7-9	85 00	Oats, hominy feed, rye middlings and red dog flour.	As certified, -----	6675
4.03	3.00	9.52	9.00	3 50	Corn feed meal, ground corn bran, ground corn screenings, ground barley, oat meal mill by-product (oat middlings, oat hulls, oat shorts, wheat middlings, cottonseed meal and salt $\frac{1}{2}$ of 1%.	Barley not detected, --	6183

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6535	Stag Stock Feed, -----	Abram Hostetter, Scalp Level.	% 9.90	% 11.31	% 9.00
		Average, -----	10.20	11.91	-----
6600	EMPIRE MILLS, OLEAN, N. Y. Empire Feed, -----	C. Ditchburn's Sons, Carbondale.	9.42	10.44	7.5-9
	EMPORIUM MILLING CO., EMPORIUM, PA.				
6419	Emporium Feed, -----	Emporium Milling Co., Emporium.	11.80	9.19	7.63
	JOHN W. ESHELMAN & SONS, LANCASTER, PA.				
5896	Eshelman's Stock Feed, -----	John W. Eshelman & Sons, Lancaster.	9.85	13.50	10.00
6142	Eshelman's Stock Feed, -----	Handwork Bros., Coatesville.	11.50	12.69	10.00
		Average, -----	10.67	13.10	-----
	GLOBE ELEVATOR CO., BUFFALO, N. Y.				
6002	Buffalo Stock Feed, -----	Jefferson Flour & Feed Co., Punxsutawney.	9.72	10.31	10.00
	D. H. GRANDIN MILLING CO., JAMESTOWN, N. Y.				
6782	*Grandin's Stock Food, -----	Wayne Milling Company, Honesdale.	7.60	10.38	10.00
	HALES & HUNTER CO., CHICAGO, ILL.				
6024	College Stock Feed, -----	John G. Allen, Beaver Falls.	10.30	11.38	12.00
6179	College Stock Feed, -----	J. A. McKelvey, Blairsville.	11.27	12.44	12.00
		Average, -----	10.78	11.91	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.68	3.00	10.92	9.00	3 90	Corn feed meal, ground corn bran, oat meal mill by-product (oat middlings, oat hulls, oat shorts), cotton seed meal, wheat middlings and salt $\frac{1}{2}$ of 1%.	As certified, -----	6535
4.36	-----	10.22	-----	3 70			
4.25	3.05	6.42	9.00	3 80	Corn, hominy, oat hulls,	As certified, -----	6600
3.83	2.97	5.02	9.00	3 85	Corn, hominy, oats, oat hulls and oat middlings.	As certified, -----	6419
4.13	3.00	9.75	10.00	2 95	Cottonseed meal, wheat middlings, oat meal mill by-product (oat middlings, oat shorts, oat hulls), ground grain screenings, rye middlings, hominy and corn feed meal.	As certified, -----	5596
3.53	3.00	10.27	10.00	3 50	Cottonseed meal, wheat middlings, oat meal mill by-product (oat middlings, oat shorts, oat hulls), ground grain screenings, rye middlings, hominy and corn feed meal.	Cottonseed meal not detected.	6142
3.83	-----	10.01	-----	3 23			
3.35	3.00	10.40	9.00	3 30	Ground corn, oats and barley, barley shorts and hulls, oat shorts and hulls, corn hominy feed, wheat middlings, cottonseed meal and salt $\frac{1}{2}$ of 1%.	As certified, -----	6002
5.70	4.00	11.07	14.00	2 75	Ground corn, ground oats, ground barley, hominy feed, wheat middlings, oat meal mill by-product (oat middlings, oat hulls, oat shorts) and salt (Wheat middlings may contain ground screenings not exceeding mill run).	As certified, -----	6782
3.20	3.00	8.52	10.00	3 20	Corn feed meal, wheat middlings, wheat bran, ground oats, ground barley, malt sprouts, oat middlings, oat shorts, oat hulls.	As certified, -----	6024
4.45	3.00	5.67	10.00	3 50	Corn feed meal, wheat middlings, wheat bran, ground oats, ground barley, malt sprouts, oat middlings, oat shorts, oat hulls.	Ground barley and malt sprouts not detected.	6179
3.83	-----	7.09	-----	3 35			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5954	*Stock Feed, ----- HONESDALE MILLING COMPANY, HONESDALE, PA.	McFarland Supply Co., Greensburg.	% 10.15	% 14.31	% 10.00
6770	*No. 1 Special Horse Feed, ----- JAMESTOWN ELECTRIC MILLS, JAMESTOWN, N. Y.	Honesdale Milling Com- pany, Honesdale.	9.70	9.94	-----
6274	Jem Stock Feed, -----	R. T. Jones, North War- ren.	11.75	9.81	10.00
6830	CHAS. A. KRAUSE MILLING CO., MILWAUKEE, WIS. Badger Stock Feed, -----	Henry S. Beidler, Doyles- town.	8.07	11.13	10.00
6132	Badger Stock Feed, -----	Z. A. Brace & Son, Waterford.	9.03	10.94	10.00
5804	Badger Stock Feed, -----	Braddock Feed & Supply House, Braddock.	8.74	12.06	10.00
6078	Badger Stock Feed, -----	J. W. Craft & Sons, Ambler.	8.90	10.94	10.00
6585	Badger Stock Feed, -----	C. S. Hunter Co., Wash- ington.	10.60	9.38	10.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.60	3.50	6.97	11.00	3 40	Corn feed meal, re-ground oat hulls and standard middlings.	As certified, -----	5954
4.03	-----	4.32	-----	2 75	Corn and oats, -----	As certified, -----	6770
3.48	5.00	8.82	9.00	3 25	Ground corn, hominy feed, ground oats, corn germ meal, cottonseed meal 500 lbs., oatmeal mill by-product, oat middlings, oat shorts, reground oat hulls, $\frac{1}{2}$ of 1% fine salt.	As certified, -----	6274
4.15	3.25	12.35	9.00	2 50	Hominy feed, corn red-dog flour, corn germ meal, ground Kaffir corn, oatmeal mill by-product (oat hulls, oat shorts, oat middlings), old process linseed oil meal and $\frac{1}{2}$ of 1% salt.	Linseed oil meal and Kaffir corn not detected.	6830
3.53	3.25	12.77	9.00	3 10	Hominy feed, corn red-dog, corn germ meal, barley, wheat middlings, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), O. P. linseed oil meal and salt.	As certified, -----	6132
3.84	3.25	12.12	9.00	51 00	Hominy feed, corn red-dog, corn germ meal, barley, wheat middlings, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), O. P. linseed oil meal and salt.	As certified, -----	5804
4.08	3.50	10.02	9.00	3 25	Hominy feed, corn red-dog, corn germ meal, barley, wheat middlings, oatmeal mill by-product (oat middlings, oat shorts, oat hulls), O. P. linseed oil meal and $\frac{1}{2}$ of 1% salt.	Barley not detected, --	6078
2.75	3.50	8.60	9.00	4 25	Hominy feed, corn red-dog flour, corn germ meal, ground Kaffir, wheat bran, wheat middlings (with ground screenings not exceeding mill run), oatmeal mill by-product (oat middlings, oat hulls, oat shorts), O. P. linseed oil meal and $\frac{1}{2}$ of 1% salt.	As certified, -----	6585

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Guaranteed.	Guaranteed.
6365	Badger Stock Feed, -----	W. H. Manbeck & Co., Mifflin.	% 8.09	% 10.00	% 10.00
6296	Badger Stock Feed, -----	Harry May, Leechburg, --	10.42	9.94	10.00
6232	*Badger Stock Feed, -----	The G. F. Musser Co., Belleville.	11.72	11.25	10.00
6661	Badger Stock Feed, -----	J. B. Roux, Farrell, ----	10.07	10.38	10.00
	LADISH MILLING CO., MIL- WAUKEE, WIS.	Average, -----	9.51	10.67	-----
6651	National Stock Feed, -----	Boyd Milling Co., Sharon,	9.27	10.94	9.00
6692	True Value Stock Feed, -----	A. Kjellman, Altoona, ---	8.90	11.50	10.00
5810	True Value Stock Feed, -----	H. J. Klingler & Co., Butler.	8.32	13.56	10.00
		Average, -----	8.61	12.53	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemists' number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
2.98	3.25	12.62	9.00	3.50	Hominy feed, corn red-dog, corn germ meal, barley, wheat middlings, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), O. P. linseed oil meal and $\frac{1}{2}$ of 1% salt.	As certified, -----	6365
3.10	3.25	11.00	9.00	3.75	Hominy feed, corn red-dog, corn germ meal, ground Kaffir, wheat bran and wheat middlings (with ground screenings not exceeding mill run), oatmeal mill by-product (oat-middlings, oat hulls, oat shorts), old process linseed oil meal and $\frac{1}{2}$ of 1% salt.	As certified, -----	6296
2.87	3.25	8.15	12.00	3.25	Hominy feed, corn red-dog, corn germ meal, ground Kaffir, wheat bran, wheat middlings (with ground screenings not exceeding mill run), oatmeal mill by-product (oat middlings, oat hulls, oat shorts), O. P. linseed oil meal and salt.	As certified, -----	6232
2.63	3.50	6.17	9.00	4.00	Hominy feed, corn red-dog, flour, corn germ meal, ground Kaffir, wheat bran, wheat middlings (with ground screenings not exceeding mill run), oatmeal mill by-product (oat middlings, oat hulls, oat shorts), O. P. linseed oil meal and $\frac{1}{2}$ of 1% salt.	As certified, -----	6661
3.33	-----	10.42	-----	67.00	-		
3.03	3.00	9.32	10.00	4.00	Cottonseed meal, oatmeal mill by-products (oat middlings, oat hulls, oat shorts), corn feed meal, salt.	Found also ground Kaffir corn.	6651
3.10	3.50	9.20	10.00	4.00	Cottonseed meal, hominy feed, ground oats, ground corn, oatmeal mill by-products (oat middlings, oat hulls, oat shorts), salt.	Found also Kaffir corn,	6692
3.50	3.50	8.05	9.75	3.35	Linseed oil meal, hominy feed, ground oats, ground corn, ground barley, cottonseed meal, oatmeal mill by-products (oat middlings, oat hulls, oat shorts), salt.	As certified, -----	5810
3.30	-----	8.62	-----	3.63			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	C. P. MATTHEWS & SONS, INC., SCRANTON, PA.				
5609	Best Horse Feed, -----	C. P. Matthews & Sons, Inc., Scranton.	% 9.57	% 11.81	% 9-10
6437	Mixed Feed, -----	C. P. Matthews & Sons, Inc., Wilkes-Barre.	10.95	11.13	7-9
	MINER-HILLARD MILLING CO., WILKES-BARRE, PA.				
6750	Mihimico Stock Feed, -----	Miner-Hillard Milling Co., Plymouth.	9.25	13.06	11.00
6448	Mihimico Stock Feed, -----	Miner-Hillard Milling Co., Wilkes-Barre.	9.70	10.88	11.00
	NEWSOME FEED & GRAIN CO., PITTSBURGH, PA.	Average, -----	9.47	11.97	-----
5869	Palmo Mixed Feed, -----	Andre & Sweet, Montrose,	7.92	15.50	12.00
6258	*Palmo Mixed Feed, -----	H. H. Lysinger & Son, Bedford.	8.60	13.44	12.00
	THE PARK & POLLARD CO. OF ILL., CHICAGO, ILL.	Average, -----	8.26	14.47	-----
6253	Park & Pollard Stock Feed, -----	P. D. Schnably, Bedford,	10.92	7.50	9 00
6502	*Park & Pollard Stock Feed, -----	Washington Grain & Feed Co., Washington.	11.50	9.06	9.00
	PRAIRIE STATE MILLING CO., CHICAGO, ILL.	Average, -----	11.21	8.28	-----
6856	*Prairie State Stock Feed, -----	R. S. Altman, Manor, ---	9.22	10.13	8.00
6307	*Prairie State Stock Feed, -----	B. Linder, New Kensing- ton.	11.02	10.50	8.00
	J. E. PRITTS, SCOTTDALÆ, PA.	Average, -----	10.12	10.32	-----
5922	*Pritt's Alfalfa Horse Feed, -----	J. E. Pritts, Scottdale,--	9.37	20.94	14.00
	PURITY OATS CO., DAVENPORT, IOWA.				
6379	Iowa Stock Feed, -----	S. Book & Broother, Quarryville.	8.60	11.13	10.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.43	3-4	4.25	6-7	3 90	Corn, oats, wheat middlings, linseed oil meal.	Found also barley, ---	6609
5.48	4-6	6.30	5-6	4 20	Hominy, corn and oat feed.	Corn, hominy feed, oat middlings and oat hulls.	6437
4.17	4.00	7.80	10.00	2 70	Alfalfa meal, hominy feed, wheat middlings, rye middlings, corn, oats, corn oil meal, salt.	As certified, -----	6756
4.48	4.00	8.77	10.00	4 25	Alfalfa meal, hominy feed, wheat middlings, rye middlings, corn, oats, corn oil meal, salt.	Found also ground barley and Kaffir corn.	6448
4.33	-----	8.28	-----	3 48			
7.51	6.00	15.27	10.00	2 50	Cleaning middlings, re-ground cottonseed hulls and palm oil.	Wheat and rye middlings, palm oil and a large amount of peanut hulls.	5869
6.64	7.00	16.86	13.00	2 40	Cleaning middlings, re-ground cottonseed hulls and palm oil.	Wheat middlings, cottonseed hulls and palm oil.	6258
7.08	-----	16.06	-----	2 45			
2.98	1.50	8.67	10.00	3 75	Ground corn, hominy feed and oat feed.	"Oat feed" included oat middlings and oat hulls.	6253
2.63	1.50	9.47	12.00	4 10	Corn, hominy feed and oat feed.	Found also ground Kaffir corn. "Oat feed" included oat middlings and oat hulls.	6592
2.81	-----	9.07	-----	3 93			
4.08	2.25	11.98	8.50	2 75	Ground corn, barley feed, corn feed meal, oat feed.	Barley feed not detected. "Oat feed" included oat middlings and oat hulls.	6856
2.98	2.50	10.57	8.50	4 00	Ground corn, barley feed, corn feed meal, ground oat hulls and oat feed.	As certified. "Oat feed" included oat middlings and oat hulls.	6307
3.53	-----	11.27	-----	3 38			
5.43	4.50	9.05	12.00	3 10	Alfalfa meal, wheat bran, wheat middlings, corn oil meal, oats and cottonseed meal.	As certified, -----	5922
4.48	4.00	10.45	9.00	3 50	Wheat middlings, corn meal, hominy feed, brewers' dried grains, corn gluten feed, oat meal mill by-product (oat middling, oat hulls, oat shorts), and 1% table salt.	As certified, -----	6379

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6220	Iowa Stock Feed, -----	A. T. Sprankle, DuBois,--	% 10.00	% 12.13	% 10.00
5770	Iowa Stock Feed, -----	Weaver & Berkey, Wind- ber.	8.07	13.38	10.00
	THE QUAKER OATS CO., CHI- CAGO, ILL.	Average, -----	8.89	12.21	-----
5863	*Schumacher Feed, -----	Brown & Fassett, Mont- rose.	9.25	13.69	10.00
6811	*Schumacher Feed, -----	Dayton Milling Company, Towanda.	8.00	11.38	10.00
5856	*Schumacher Feed, -----	J. H. Duttera, New Ox- ford.	8.85	12.50	10.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.30	4.00	9.90	9.00	3 90	Wheat middlings, corn meal, hominy feed, brewers' dried grains, corn gluten feed, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and 1% table salt.	As certified, -----	6220
4.52	4.00	11.32	9.00	3 25	Wheat middlings, corn meal, hominy feed, brewers' dried grains, corn gluten feed, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and 1% table salt.	As certified, -----	5770
4.53	-----	10.55	-----	3 55			
4.14	3.25	11.24	9.00	3 10	Ground corn, hominy feed, yellow hominy feed, ground barley, rye flour, wheat middlings (with ground screenings not exceeding mill run), cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), calcium phosphate, linseed oil meal, $\frac{1}{2}$ of 1% salt.	As certified, -----	5863
3.60	3.25	11.94	9.00	2 50	Ground corn, ground milo maize, hominy feed, yellow hominy feed, linseed oil meal, ground barley, wheat bran and wheat middlings (with ground screenings not exceeding mill run), cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), ground puffed rice, ground puffed wheat, calcium phosphate, $\frac{1}{2}$ of 1% salt.	As certified, -----	6811
3.52	3.25	11.23	9.00	3 30	Ground corn, hominy feed, yellow hominy feed, ground barley, wheat middlings (with ground screenings not exceeding mill run), cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), calcium phosphate, linseed meal and $\frac{1}{2}$ of 1% salt.	As certified, -----	5856

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5948	*Schumacher Feed, -----	Hershey Chocolate Co., Hershey.	% 8.85	% 13.44	% 10.00
6841	*Schumacher Feed, -----	A. K. Kulp, Pottstown,--	7.55	13.66	10.00
6615	*Schumacher Feed, -----	C. P. Matthews & Sons, Inc., Scranton.	9.00	12.44	10.00
6643	*Schumacher Feed, -----	J. M. Porter, Sharon, ---	8.40	11.19	10.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.08	3.25	11.55	11.00	64 00	Ground corn, hominy feed, yellow hominy feed, ground barley, wheat middlings (with ground screenings not exceeding mill run), cottonseed meal, ground puffed rice, ground puffed wheat, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), calcium phosphate, linseed meal and $\frac{1}{2}$ of 1% salt.	As certified, -----	5948
3.25	3.25	11.40	9.00	2 75	Ground corn, ground milo maize, hominy feed, yellow hominy feed linseed oil meal, ground barley, wheat bran and wheat middlings (with ground screenings not exceeding mill run), cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), ground puffed rice, ground puffed wheat, calcium phosphate, $\frac{1}{2}$ of 1% salt.	As certified, -----	6841
3.73	3.25	10.75	9.00	3 60	Ground corn, ground milo maize, hominy feed, yellow hominy feed linseed oil meal, ground barley, wheat bran, and wheat middlings (with ground screenings not exceeding mill run), cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), ground puffed rice, ground puffed wheat, calcium phosphate, $\frac{1}{2}$ of 1% salt.	As certified, -----	6615
3.60	3.25	10.42	9.00	4 00	Ground corn, ground milo maize, hominy feed, yellow hominy feed, linseed oil meal, ground barley, wheat bran, and wheat middlings (with ground screenings not exceeding mill run), cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), ground puffed rice, ground puffed wheat, calcium phosphate, $\frac{1}{2}$ of 1% salt.	As certified, -----	6643

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6789	*Schumacher Feed, -----	A. L. Vandervort, Laceyville.	% 8.77	% 11.75	% 10.00
6712	*Schumacher Feed, -----	Waynesburg Milling Co., Waynesburg.	8.60	12.38	10.90
		Average, -----	8.51	12.43	-----
6128	*Victor Feed, -----	Miller & Parsons, Corry,--	10.15	10.00	8.00
6034	White Diamond Feed, -----	Rochester Seed & Supply Co., Rochester.	8.79	10.00	8.00
6355	SPANOGLE-YEAGER MILLING CO., LEWISTOWN, PA. Stock Feed, -----	Spanogle - Yeager Milling Co., Lewistown.	10.50	11.81	10.00
6097	THE UBIKO MILLING CO., CIN- CINNATI, OHIO. *Ubiko Stock Feed, -----	M. C. Dietz & Son, Me- chanicsburg.	7.75	11.25	10.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.36	3.25	10.77	9.00	2 50	Ground corn, ground milo maize, hominy feed, yellow hominy feed, linseed oil meal, ground barley, wheat bran and wheat middlings (with ground screenings not exceeding mill run), cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), ground puffed rice, ground puffed wheat, calcium phosphate, $\frac{1}{2}$ of 1% salt.	As certified, -----	6789
4.11	3.25	10.93	9.00	3 25	Ground corn, hominy feed, yellow hominy feed, milo maize, linseed oil meal, ground barley, wheat bran and wheat middlings (with ground screenings not exceeding mill run), cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), ground puffed rice, ground puffed wheat, rye flour, calcium phosphate, $\frac{1}{2}$ of 1% salt.	Milo maize not detected.	6712
3.71	-----	11.13	-----	62 67			
4.23	3.25	9.65	9.00	3.00	Ground corn, hominy feed, corn feed meal, by-product from manufacture of hominy and cornmeal by degerminator process with partial extraction of oil, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), tricalcium phosphate and $\frac{1}{2}$ of 1% salt.	As certified, -----	6128
4.68	3.25	10.30	9.00	3 50	Ground corn, hominy feed, yellow hominy feed, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{1}{2}$ of 1% salt, calcium phosphate.	As certified, -----	6034
3.50	3.00	7.80	12.00	3 50	Ear corn, oats, barley, cottonseed meal, alfalfa meal, oil meal (O. P.), wheat middlings.	Found also small amount of rye and Kafir corn and trace of whole weed seeds.	6355
3.35	3.50	10.37	12.00	3 30	Hominy feed, ground barley, reground oat feed (oat hulls, oat shorts, oat middlings), wheat bran and middlings, O. P. linseed meal and salt.	As certified, -----	6097

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6047	*Ubiko Stock Feed, -----	Wm. H. Dunlap, Jr., Canonsburg.	% 7.87	% 12.81	% 10.00
	PROPRIETARY STOCK, HORSE AND MULE FEED WITH MOLASSES.	Average, -----	7.81	12.03	-----
6147	ACME-EVANS CO., INDIANAPOLIS, IND. Acme Alfalfa Grain Feed, -----	J. O. Reed, Philipsburg,--	19.20	9.75	9.00
6738	AKRON FEED AND MILLING CO., AKRON, OHIO. Portage Horse Feed, -----	J. L. Alcorn, Titusville,--	13.85	10.49	9.00
6671	AMERICAN MILLING COMPANY, PEORIA, ILLINOIS. Peoria Horse Feed, -----	Dannals Milling Co., Al- toona.	16.06	10.55	10.00
6065	*Suerene Horse & Mule Feed, -----	✓ E. Bond Esate, Upper Darby.	15.00	9.34	9.00
6295	Suerene Horse Feed with Alfalfa, --	Harry May, Leechburg, --	15.02	10.09	10.00
6673	Tip Top Horse Feed with Alfalfa, --	Dannals Milling Co., Al- toona.	15.98	10.47	10.00
6036	Tip Top Horse Feed with Alfalfa, --	Exeelsior Flour & Feed Co., Freedom.	17.66	10.87	10.00
		Average, -----	16.82	10.67	-----
6696	ATLAS CEREAL CO., KANSAS CITY, MO. Flag Horse & Mule Feed, -----	Geidel & Dickson, Du- quesne.	19.30	8.68	9.00
6308	Flag Horse & Mule Feed, -----	B. Linder, New Kensing- ton.	15.46	10.38	9.00
		Average, -----	17.38	9.53	-----
6642	J. J. BADENOCH CO., CHICAGO, ILL. *Gloskoat Horse Feed, -----	J. M. Porter, Sharon, ---	14.72	10.25	10.00
6480	C. W. BOSLER CO., OGONTZ, PA. Alfalfa Feed, -----	A. C. Godshall & Co., Inc., Lansdale.	12.98	7.14	10.00
6373	CHAMPION FEED MILLING CO., CLINTON, IOWA. Champion Molasses Feed Compound,	The Lancaster County Farmers' Supply Co., Inc., Manheim.	15.77	10.29	11.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
6.33	3.50	11.77	12.00	70 00	Hominy feed, ground barley, reground oat feed (oat hulls, oat shorts, oat middlings), wheat bran and middlings, O. P. linseed meal and salt.	As certified, -----	6047
4.84	-----	11.07	-----	68 00			
1.82	2.00	12.48	15.00	3 75	Alfalfa meal, cracked corn, oats and syrup.	As certified, -----	6147
2.58	2.00	11.23	12.00	3 00	Rolled oats, cracked corn, rolled barley, alfalfa meal and molasses.	As certified, -----	6738
1.63	2.50	15.75	14.00	75 00	Corn, oats, barley, alfalfa, molasses and salt.	As certified, -----	6671
2.53	2.50	11.98	12.00	2 80	Molasses, corn, oats, oat shorts, oat middlings, oat hulls, barley and salt.	As certified, -----	6065
2.94	2.50	9.10	12.00	3 75	Molasses, alfalfa, corn, oats, barley and salt.	As certified, -----	6295
1.78	2.50	13.20	12.00	78 00	Molasses, alfalfa, corn, oats, barley and salt.	As certified, -----	6673
2.26	2.50	12.67	12.00	60 00	Molasses, alfalfa, corn, oats, barley and salt.	As certified, -----	6036
2.02	-----	12.93	-----	69 00			
1.65	2.00	13.77	16.00	-----	Cracked corn, oats, alfalfa meal, molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6696
1.04	2.00	12.23	15.00	4.00	Cracked corn, oats, alfalfa meal, molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6308
1.35	-----	13.00	-----	4 00			
2.55	2.00	11.57	16.00	3 75	Cracked corn, crushed oats, crushed barley, alfalfa meal and molasses.	Barley not detected,---	6642
2.11	2.00	9.10	12.00	3 50	Corn, oats, alfalfa meal and cane molasses.	As certified, -----	6480
3.05	2.00	7.00	8.00	55 00		Cottonseed meal, corn gluten feed, wheat bran, ground grain screenings, flax plant refuse, small amount small whole weed seeds, molasses and salt.	6373

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
6326	CLOVER LEAF MILLING CO., BUFFALO, N. Y. Clover Leaf Mills Horse Feed, -----	Lycoming Flour Mills, Williamsport.	15.08	9.37	10.00
5839	*Perfection Horse Feed, -----	G. R. Thompson, Gettysburg.	12.12	12.46	9.00
6398	THE CORNO MILLS CO., ST. LOUIS, MO. Nutro Sweet Feed, -----	W. W. Davidson & Son, Ellwood City.	10.30	12.50	9.00
6579	Nutro Sweet Feed, -----	J. K. Lawson, Washington.	15.12	7.87	9.00
6530	Nutro Sweet Feed, -----	Louis Sherer, South Fork,	14.86	9.29	9.00
		Average, -----	13.42	9.89	-----
6208	CURTISS GRAIN CORPORATION, BUFFALO, N. Y. Faramel Horse Feed, -----	Smith Brothers, Bradford,	15.81	11.28	9.00
6298	THE ALBERT DICKINSON CO., CHICAGO, ILL. Hobby Horse Feed, -----	J. A. Gault Co., Kittanning.	17.14	9.84	9.00
5968	Hobby Horse Feed, -----	Hudson & Kuhns, Greensburg.	17.27	10.25	9.00
		Average, -----	17.20	10.05	-----
6041	Rival Horse Feed, -----	The Irwin Muir Co., Brad-dock.	17.85	10.39	9.00
5827	DIXIE MILLS CO., EAST ST. LOUIS, ILL. Dixie Horse & Mule Feed, -----	P. J. Oesterling & Son, Butler.	16.11	10.63	10.00
• 6403	JOHN W. ESHELMAN & SONS, LANCASTER, PA. Eshelman's 40 Horse Feed, -----	Brown & Rea, Atglen, ----	16.77	9.12	9.00
5895	Eshelman's 40 Horse Feed, -----	John W. Eshelman & Sons, Lancaster.	18.01	10.34	9.00
		Average, -----	17.39	9.73	-----
5899	Eshelman's 60 Horse Feed, -----	John W. Eshelman & Sons, Lancaster.	18.03	10.82	10.00
6141	Eshelman's 60 Horse Feed, -----	Handwork Brothers, Coatesville.	14.79	10.98	10.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
2.57	2.00	12.04	12.00	3 75	Cracked corn, crushed oats, alfalfa meal, molasses and $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6326
2.50	1.50	12.78	14.00	3 00	Cracked corn, crushed oats, alfalfa meal and molasses.	As certified, -----	5839
3.45	2.00	12.27	10.00	4 00	Ground alfalfa, cracked corn, whole oats crushed, oat middlings, oat shorts, oat hulls and molasses.	Found also small amount small whole weed seeds.	6385
1.72	2.00	11.05	10.00	3 90	Ground alfalfa, cracked corn, whole oats crushed, oat middlings, oat shorts, oat hulls and molasses.	As certified, -----	6579
1.56	2.00	13.52	10.00	3 80	Ground alfalfa, cracked corn, whole oats crushed, oat middlings, oat shorts, oat hulls and molasses.	As certified, -----	6530
2.24	-----	12.28	-----	3.90			
4.60	4.00	6.42	9.00	4 50	Crushed oats, cracked corn, crushed barley, wheat bran and molasses.	Crushed barley not detected.	6208
1.30	1.50	10.74	15.00	4 20	Corn, oats, alfalfa meal and molasses.	As certified, -----	6298
1.19	1.50	11.05	15.00	3 20	Corn, oats, alfalfa meal and molasses.	As certified, -----	5968
1.25	-----	10.89	-----	3 70			
1.65	1.50	14.76	15.00	3 30	Corn, oats, alfalfa meal and molasses.	As certified, -----	6041
2.51	2.50	8.85	12.00	3 25	Ground corn, oats, ground alfalfa and molasses.	Found also barley,-----	5827
1.48	2.00	11.56	14.00	80 00	Cracked corn, crushed oats, cane molasses, alfalfa meal and $\frac{1}{2}$ of 1% salt.	As certified, -----	6403
2.23	2.00	11.70	14.00	3.05	Cracked corn, crushed oats, cane molasses, alfalfa meal and $\frac{1}{2}$ of 1% salt.	As certified, -----	5895
1.86	-----	11.63	-----	70 50			
2.65	2.50	10.91	14.00	3 10	Cracked corn, crushed oats, alfalfa meal, cane molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	5899
2.74	2.50	10.15	14.00	3 60	Cracked corn, crushed oats, alfalfa meal, cane molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6141

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6498	Eshelman's 63 Horse Feed, -----	J. L. Moore, Lancaster, --	% 14.01	% 9.44	% 10.00
		Average, -----	15.61	10.41	-----
5900	Eshelman's 85 Horse Feed, -----	John W. Eshelman & Sons, Lancaster.	16.87	11.59	10.00
5911	Eshelman's Steer Feed, -----	John W. Eshelman & Sons, Lancaster.	16.23	11.39	8.00
	GEORGE H. FETZER, PHILADELPHIA, PA.				
6083	Victory Horse Feed, -----	Simpson Brothers, Norristown.	17.17	10.28	10.00
	HALES & HUNTER CO., CHICAGO, ILL.				
5951	Harvest Horse Feed, -----	McFarland Supply Co., Greensburg.	15.55	11.82	10.00
	DWIGHT E. HAMLIN, PITTSBURGH, PA.				
5915	Hamlin's Quality Feed, -----	Edw. F. Bracken, Paoli,--	15.72	10.88	9.00
5975	Hamlin's Quality Feed, -----	Joseph Burkholder, Hummelstown.	13.47	11.59	9.00
5331	Hamlin's Quality Feed, -----	J. E. Crisman, South Fork.	18.20	8.57	9.00
6052	Hamlin's Quality Feed, -----	Wm. H. Dunlap, Jr., Canonsburg.	20.59	9.19	9.00
6865	Hamlin's Quality Feed, -----	Linus M. Lewis, Indiana,	14.66	8.78	9.00
6292	Hamlin's Quality Feed, -----	L. Todd Owens, Apollo,--	15.08	9.69	9.00
6580	Hamlin's Quality Feed, -----	C. B. Ruch, Washington,--	18.66	8.96	9.00
		Average, -----	16.62	9.67	-----
6080	H. & S. Horse, Mule & Dairy Feed, -----	Simpson Brothers, Norristown.	15.39	12.87	14.00
	THE H-O COMPANY, BUFFALO, N. Y.				
6523	New England Stock Feed, -----	Clyde D. Duffee, Oil City,	10.35	10.19	9.50
	CHARLES A. KRAUSE MILLING CO., MILWAUKEE, WIS.				
6648	Badger Blue Top Horse Feed, -----	Boyd Milling Co., Sharon.	18.75	9.72	10.00
6757	Badger Blue Top Horse Feed, -----	Seureman Milling Company, Wilkes-Barre.	18.20	10.65	10.00
		Average, -----	18.47	10.19	-----

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
2.64	2.50	7.66	14.00	4 40	Cracked corn, crushed oats, alfalfa meal, cane molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6498
2.68	-----	9.57	-----	3 70			
3.18	3.00	7.52	14.00	3.55	Cracked corn, crushed oats, alfalfa meal, cane molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	5900
4.10	4.00	8.93	10.00	2 50	Wheat bran, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts), old process oil meal, cane molasses and $\frac{1}{2}$ of 1% salt.	Found also small amount small whole weed seeds.	5911
1.93	3.00	11.46	10.00	3 35	Crushed oats, cracked corn, alfalfa meal, molasses and 1% salt.	Sample mouldy and damaged.	6083
1.70	2.00	14.44	15.00	3.00	Alfalfa, molasses, cracked corn, oats and barley.	As certified, -----	5951
2.03	1.50	12.02	14.00	3 40	Corn, oats, alfalfa and cane syrup.	As certified, -----	5915
1.98	2.00	13.45	10.00	3 00	Corn, oats, alfalfa and cane syrup.	As certified, -----	5975
1.83	1.50	13.32	14.00	4 00	Corn, oats, alfalfa and cane syrup.	As certified, -----	6531
1.23	1.50	12.62	14.00	65 00	Corn, oats, alfalfa and cane syrup.	As certified, -----	6652
2.45	1.50	11.34	14.00	3.25	Corn, oats, alfalfa and cane syrup.	As certified, -----	6865
1.87	1.50	11.98	14.00	4 25	Corn, oats, alfalfa and cane syrup.	As certified, -----	6292
1.33	1.50	11.97	14.00	4 25	Corn, oats, alfalfa and cane syrup.	As certified, -----	6580
1.82	-----	12.38	-----	72 57			
1.52	2.00	14.58	12.00	3 45	Crushed flaxseed meal, old process oil meal, alfalfa meal, dried brewers' grains, pure cane syrup, $\frac{1}{2}$ of 1% salt and cottonseed meal.	As certified, -----	6080
3.90	4.00	8.12	9.75	4 35	Ground barley, ground corn, hominy feed, linseed oil meal, wheat midds (with mill run screenings), molasses, salt $\frac{1}{2}$ of 1%, oat hulls and oat shorts not over 500 lbs. per ton.	As certified, -----	6523
1.26	1.00	14.22	16.00	3 80	Corn, oats, alfalfa meal, molasses and salt.	As certified, -----	6648
2.14	1.00	18.29	16.00	3 00	Corn, oats, alfalfa meal, molasses and salt.	Found also flax plant refuse.	6757
1.70	-----	16.25	-----	3 40			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6584	Badger Cream City Horse Feed, ----	C. S. Huner Co., Wash- ington.	13.63	10.97	10.00
6614	Badger Cream City Horse Feed, ----	C. P. Matthews & Sons, Inc., Scranton.	14.89	9.47	10.00
6756	Badger Cream City Horse Feed, ----	Seureman Milling Com- pany, Wilkes-Barre.	7.11	10.56	10.00
		Average, -----	11.87	10.33	-----
6331	*Badger Fattener Feed, -----	Blank & Gottshall, Sun- bury.	15.36	11.75	9.50
6074	Badger Mor Pul Horse Feed, -----	J. W. Craft & Sons, Ambler.	13.27	11.51	9.00
6330	*Badger Pul-Mor Horse Feed, -----	Blank & Gottshall, Sun- bury.	16.17	11.29	9.00
6831	Pep Horse Feed, -----	Henry S. Beidler, Doyle- town.	14.22	11.20	10.00
6861	Pep Horse Feed, -----	Farmers Exchange, Indi- ana.	12.34	10.45	10.00
		Average, -----	13.28	10.83	-----
	LANADISH MILLING CO., MIL- WAUKEE, WIS.				
6399	*O-Keh Horse Feed, -----	W. W. Davidson & Son, Ellwood City.	17.20	10.46	9.00
6693	Record Maker Horse Feed, -----	H. A. Kjellman, Altoona,	15.68	10.20	9.00
6852	Record Maker Horse Feed, -----	T. F. Wilson, Irwin, ---	10.60	11.76	9.00
		Average, -----	13.14	10.98	-----
5808	Stra-Lad Horse Feed, -----	H. J. Klingler & Co., Butler.	12.38	13.23	9.50
6266	True Value Horse Feed, -----	Leibovitz Feed Mills, Al- toona.	16.01	11.02	9.00
	LANCASTER MILL & ELEVATOR CO., LANCASTER, PA.				
6069	Lancaster Horse Feed, -----	V. E. Bond Estate, Upper Darby.	16.31	11.09	10.00
6492	Lancaster Horse Feed, -----	Edward F. Braeken, New- town, Square.	11.85	10.19	10.00
5916	Lancaster Horse Feed, -----	Edward F. Braeken, Paoli,	15.68	11.31	10.00
6501	Lancaster Horse Feed, -----	C. C. Hipple & Son, West Chester.	14.25	10.81	10.00
		Average, -----	14.52	10.85	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
1.87	1.50	14.63	14.00	4 50	Corn, oats, alfalfa meal, molasses and salt.	As certified, -----	6584
1.73	1.50	11.51	14.00	4 00	Corn, oats, alfalfa meal, molasses and salt.	As certified, -----	6614
2.18	1.50	15.16	14.00	3 00	Corn, oats, alfalfa meal, molasses and salt.	As certified, -----	6756
1.93	-----	13.76	-----	3 83			
1.70	2.00	16.76	16.00	2 80	Alfalfa meal, ground and bolted grain screenings, flax plant by-product, molasses and salt.	As certified, -----	6331
2.20	1.00	15.95	15.00	3 25	Corn, oats, alfalfa meal, ground and bolted grain screenings, molasses and salt.	Found also small amount small whole weed seeds.	6074
1.89	1.00	17.22	16.00	3 80	Corn, oats, alfalfa meal, oat meal mill by-products (oat middlings, oat hulls, oat shorts), molasses, salt and flax plant refuse.	As certified, -----	6330
3.58	3.00	9.88	10.00	2.70	Corn, oats, alfalfa meal, molasses and salt.	As certified, -----	6331
2.83	3.00	9.56	10.00	3 75	Corn, oats, alfalfa meal, molasses and salt.	As certified, -----	6861
3.21	-----	9.72	-----	3 73			
1.38	1.00	13.43	18.00	4 00	Cracked corn, crimped oats, alfalfa, molasses, oatmeal mill by-products (oat middlings, oat hulls, oat shorts), and salt.	Found also flax plant refuse.	6399
2.59	1.00	9.99	18.00	4 15	Cracked corn, crimped oats, molasses, alfalfa, salt.	As certified, -----	6693
2.78	1.00	11.98	18.00	3 50	Cracked corn, crimped oats, molasses, alfalfa, salt.	As certified, -----	6852
2.69	-----	10.98	-----	3.83			
3.94	2.50	9.30	11.00	3 90	Cracked corn, alfalfa meal, molasses, crimped oats and salt.	As certified, -----	5808
2.60	1.50	8.29	15.00	3.50	Cracked corn, crimped oats, molasses, alfalfa, salt.	As certified, -----	6266
2.71	2.50	9.92	14.00	3 35	Alfalfa meal, crushed oats, cracked corn, molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6069
2.51	2.50	11.06	14.00	4 25	Cracked corn, crushed oats, alfalfa meal, cane molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6492
3.16	2.50	10.24	14.00	3 50	Cracked corn, crushed oats, alfalfa meal, cane molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	5916
2.50	2.50	11.51	14.00	4 20	Alfalfa meal, cracked corn, crushed oats, molasses and $\frac{1}{2}$ of 1% salt.	As certified, -----	6501
2.72	-----	10.68	-----	3 83			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled at	Moisture.	Protein.	
				Found.	Guaranteed.
5996	Lancaster Molasses Steer Feed, -----	Lehman & Wolgemuth, Elizabethtown.	% 15.60	% 10.93	% 8.00
	NOWAK MILLING CORPORATION, BUFFALO, N. Y.				
6678	Domino Horse Feed with Alfalfa, --	Fay Milling Co., Hollidaysburg.	16.42	10.33	9.00
5992	Domino Vim-O-Lene Horse Feed, ----	Muth Brothers, Elizabethtown.	16.64	10.44	8.00
	PRAIRIE STATE MILLING CO., CHICAGO, ILL.				
6857	Emerald Horse Feed, -----	R. S. Altman, Manor, ---	12.21	9.84	9.00
6819	Emerald Horse Feed, -----	S. B. Floyd & Son, Pittsburgh.	15.51	10.25	9.00
5928	Emerald Horse Feed, -----	Richey & McFarland, Carnegie.	18.01	9.45	9.00
		Average, -----	15.24	9.85	-----
	THE QUAKER OATS CO., CHI- CAGO, ILL.				
6832	*Green Cross Horse Mixed Feed with Molasses.	Henry S. Beldler, Doylestown.	12.70	10.22	10.00
5964	*Green Cross Horse Mixed Feed with Molasses.	John Golde, Latrobe, ----	16.06	9.96	10.00
5878	*Green Cross Horse Mixed Feed with Molasses.	King Brothers, Uniontown,	15.50	10.00	10.00
6064	*Green Cross Horse Mixed Feed with Molasses.	A. H. Klugh, New Kensington.	16.03	9.99	10.00
5998	*Green Cross Horse Mixed Feed with Molasses.	Lehman & Wolgemuth, Elizabethtown.	15.23	10.50	10.00

*Not Registered

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
1.95	4.00	8.10	10.00	47 00	Wheat bran, oat meal mill by-product (oat middlings, oat hulls, oat shorts), oil meal, cottonseed meal and cane molasses.	As certified, -----	5996
1.93	2.00	14.80	14.00	4 00	Crushed oats, cracked corn, whole oats, ground alfalfa, molasses, salt $\frac{3}{4}$ of 1%.	As certified, -----	6678
3.14	2.00	6.58	9.00	3 25	Corn, crushed oats, corn feed meal, wheat bran, $\frac{3}{4}$ of 1% salt and molasses.	As certified, -----	5992
3.08	2.00	9.46	12.00	3 00	Rolled oats, cracked corn, rolled barley, alfalfa meal and molasses.	Barley not detected, --	6857
1.89	2.00	13.13	12.00	2 50	Rolled oats, cracked corn, rolled barley, alfalfa meal and molasses.	Barley not detected,---	6819
1.66	2.00	11.01	12.00	3 15	Rolled oats, cracked corn, rolled barley, alfalfa meal and molasses.	Barley not detected,---	5928
2.21	-----	11.20	-----	2 88			
2.80	2.50	13.18	13.50	2 70	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oat meal mill by-products (oat hulls, oat middlings, oat shorts), $\frac{1}{2}$ of 1% salt.	As certified, -----	6822
2.42	2.50	12.36	13.50	3 25	Alfalfa meal, cracked corn, crushed oats, molasses, cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{1}{2}$ of 1% salt.	As certified, -----	5964
2.06	2.50	13.26	13.00	3 25	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{1}{2}$ of 1% salt.	As certified, -----	5973
2.50	2.50	11.44	13.50	3 50	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{1}{2}$ of 1% salt.	Found also small amount small weed seeds.	6064
2.36	2.50	11.50	13.50	01 00	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{1}{2}$ of 1% salt.	As certified, -----	5998

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6707	*Green Cross Horse Mixed Feed with Molasses.	John McFall, Glen Moore,	% 14.20	% 11.69	% 10.00
6156	*Green Cross Horse Mixed Feed with Molasses.	Morrisdale Feed & Grain Co., Morrisdale.	18.07	10.26	10.00
		Average, -----	15.40	10.39	-----
	RALSTON PURINA CO., INC., ST. LOUIS, MO.				
5961	Good Luck Feed with Molasses, ----	Latrobe Feed Supply Co., Latrobe.	16.61	11.79	9.00
6102	Purina Steer Fatena Feed with Charcoal.	Wm. B. Barnitz, Carlisle,	17.03	12.71	12.00
6452	*Purina Steer Fatena Feed with Charcoal.	Port Allegany Milling Co., Port Allegany.	16.23	12.39	12.00
		Average, -----	16.63	12.55	-----
	ROSENBAUM BROTHERS, CHICAGO, ILL.				
5974	Vitality Horse Feed, -----	R. S. Altman, Irwin, ----	18.11	11.49	10.00
6709	Vitality Horse Feed, -----	John McFall, Glen Moore,	16.67	9.76	10.00
		Average, -----	17.39	10.63	-----
	THE TOLEDO GRAIN & MILLING CO., TOLEDO, OHIO.				
6161	Camp's Invincible Alfalfa Feed, ----	Centre Milling Co., Philipsburg.	16.57	10.51	10.00
	VIRGINIA FEED & MILLING CORPORATION, ALEXANDRIA, VA.				
6196	*V-C Home Mixture Horse & Mule Feed.	Walton Brothers, Philadelphia.	18.79	9.87	10.00
	UNKNOWN.				
6532	Acme Horse Feed, -----	J. E. Crisman, South Fork.	17.13	8.61	10.00
	PROPRIETARY CALF MEAL.				
	AMERICAN MILLING CO., PEORIA, ILL.				
6396	Suerene Calf Meal, -----	W. W. Davidson & Son, Ellwood City.	10.50	16.75	20.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
2.53	2.50	13.14	13.50	60 00	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{1}{2}$ of 1% salt.	As certified, -----	6707
2.33	2.50	10.01	13.50	3 75	Alfalfa meal, ground corn, crushed oats, molasses, cottonseed meal, oatmeal mill by-product (oat middlings, oat hulls, oat shorts), $\frac{1}{2}$ of 1% salt.	As certified, -----	6156
2.43	-----	12.14	-----	64 29			
1.53	1.50	13.49	15.00	3 00	Cracked corn, oats, ground alfalfa, molasses and 1% salt.	As certified, -----	5961
1.55	1.80	10.69	10.00	58 50	Molasses, cottonseed meal, ground corn, ground alfalfa, charcoal, not over $\frac{1}{4}$ of 1% hydrochloric acid and 1% salt.	As certified, -----	6102
1.59	1.80	9.13	10.00	4 00	Molasses, cottonseed meal, ground corn, ground alfalfa, charcoal, humus and 1% salt.	As certified, -----	6452
1.57	-----	9.91	-----	69 25			
2.30	2.00	10.60	15.00	3 00	Sifted cracked corn, crushed oats, crushed barley, alfalfa meal and molasses.	As certified, -----	5974
1.49	2.00	13.84	15.00	60 00	Sifted cracked corn, crushed oats, crushed barley, alfalfa meal and molasses.	As certified, -----	6709
1.90	-----	12.22	-----	60 00			
2.65	2.00	9.26	12.00	3.50	Corn, oats, alfalfa meal and molasses.	As certified, -----	6161
2.72	3.00	15.48	15.00	60 00	Cracked corn, rolled oats, flax plant by-product, alfalfa meal and cane molasses.	As certified, -----	6196
2.10	2.00	11.97	15.00	4.00	Molasses, cracked corn, crushed oats, crushed barley, alfalfa meal.	As certified, -----	6532
4.38	4.00	4.22	3.00	5 00	Soluble blood flour, bone meal, soluble starch, malt flour, dried buttermilk, corn meal, linseed meal and flour middlings.	Found also wheat bran, -----	6396

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
THE BLATCHFORD CALF MEAL CO., WAUKEGAN, ILL.					
5815	Blatchford's Calf Meal, -----	H. J. Klingler & Co., Butler.	% 9.67	% 25.75	% 24.00
6375	Blatchford's Calf Meal, -----	The Lancaster County Farmers' Supply Co., Inc., Manheim.	10.75	26.44	24.00
6516	Blatchford's Calf Meal, -----	Tionesta Milling Co., Ti- onesta.	11.35	24.31	24.00
Average, -----			10.59	25.50	-----
BROWN & FASSETT, MONTROSE, PA.					
5862	*B. & F. Calf Meal, -----	Brown & Fassett, Mont- rose.	11.25	33.44	34.00
CLOVER LEAF MILLING CO., BUFFALO, N. Y.					
6820	Clover Leaf Mills Calf Meal, -----	Duncannon Flouring Mill Co., Duncannon.	9.50	25.06	25.00
6115	Clover Leaf Mills Calf Meal, -----	Mausdale Roller Mills, Mausdale.	9.95	25.57	25.00
GOLDEN & CO., WASHINGTON, D. C.			Average, -----		
5986	Star-Calf-A, -----	The Goldsboro Pure Feed Co., Goldsboro.	9.72	25.32	-----
5986	Star-Calf-A, -----	The Goldsboro Pure Feed Co., Goldsboro.	8.72	26.63	24.00

* Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
6.37	5.00	7.89	6.75	5 90	Locust bean meal, unpressed flaxseed, wheat flour, blood flour, barley and malt sprouts meal, ground beans and peas, rice polish, old process oil meal, cocoanut meal, cocoa shell meal, recleaned cottonseed meal, foenu-greek, dried milk, anise and salt.	Locust bean meal not detected.	5815
5.70	5.00	6.97	6.75	5 90	Locust bean meal, unpressed flaxseed, wheat flour, blood flour, barley and malt sprouts meal, ground beans and peas, rice polish, old process oil meal, cocoanut oil meal, recleaned cottonseed meal, foenu-greek, dried milk, anise and salt.	Locust bean meal not detected. Found also cocoa shell meal.	6375
5.38	5.00	6.35	6.75	7 00	Locust bean meal, unpressed flaxseed, wheat flour, blood flour, barley and malt sprouts meal, ground beans and peas, rice polish, old process oil meal, cocoanut meal, cocoa shell meal, recleaned cottonseed meal, foenu-greek, dried milk, anise and salt.	Locust bean meal not detected. Found also wheat middlings.	6516
5.32	-----	6.90	-----	6.27			
4.03	5.00	5.55	5.00	5 00	Blood meal, red dog, hominy, oil cake meal, granulated milk, charcoal, sulphur and salt	Sulphur not detected,	5862
5.50	5.00	5.89	7.00	6 00	Wheat flour, linseed oil meal, cottonseed meal, pulverized malt flour, oat meal, powdered milk and $\frac{1}{2}$ of 1% salt.	As certified, -----	6820
5.10	5.00	4.95	7.00	6 00	Wheat flour, linseed oil meal, cottonseed meal, pulverized malt flour, oat meal, powdered milk and $\frac{1}{2}$ of 1% salt.	As certified, -----	6115
5.30	-----	5.42	-----	6 00			
5.95	4.50	7.72	6.50	5.00	-----	Cottonseed meal, linseed oil meal, cocoanut oil meal, wheat middlings, cocoa shell meal, blood meal and salt.	5986

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5940	HALES & HUNTER CO., CHICAGO, ILL. Red Horn Calf Meal, -----	Johnston & Smith, Wilkinsburg.	% 11.70	% 17.75	% 18.00
6204	Red Horn Calf Meal, -----	Smith Brothers, Bradford,	11.02	19.13	18.00
		Average, -----	11.36	18.44	-----
6231	CHARLES A. KRAUSE MILLING CO., MILWAUKEE, WIS. Krause Calf Meal, -----	The G. F. Musser Co., Bellefonte.	10.10	31.13	30.00
5812	PRATT FOOD CO., PHILADELPHIA, PA. Pratt's Calf Meal, -----	H. J. Klingler & Co., Butler.	8.82	30.88	25.00
5853	THE QUAKER OATS CO., CHICAGO, ILL. Schumacher Calf Meal, -----	J. H. Duttera, New Oxford.	8.67	22.06	18.00
6199	KALSTON PURINA CO., INC., ST. LOUIS, MO. Purina Calf Chow Feed, -----	Herzog Milling Co., Smethport.	11.37	28.94	27.00
6247	Purina Calf Chow Feed, -----	Huntingdon Milling Co., Huntingdon.	11.00	29.81	33.00
6281	Purina Calf Chow Feed, -----	Chas. O. Salberg, Ridgeway.	11.17	27.33	27.00
		Average, -----	11.18	28.71	-----
6268	RYDE & CO., CHICAGO, ILL. Ryde's Cream Calf Meal, -----	Farren City Mills, Werren,	12.57	23.31	25.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Guaranteed.	Found.	Found.	Guaranteed.				
%	%	%	%	\$			
4.18	5.00	1.67	6.00	6.00	Dried buttermilk, oat flour, barley flour, red dog flour, corn flour, O. P. oil meal, alfalfa leaf flour, dextrose and not over 1% calcium carbonate and $\frac{1}{2}$ of 1% salt.	As certified, -----	5940
4.48	5.00	4.67	6.00	6.00	Dried buttermilk, oat flour, barley flour, red dog flour, corn flour, O. P. oil meal, alfalfa leaf flour, dextrose and not over 1% calcium carbonate and $\frac{1}{2}$ of 1% salt.	As certified, -----	6201
4.33	-----	3.17	-----	6.00			
4.93	3.50	4.95	7.00	5.75	Blood flour, O. P. linseed oil meal, hominy feed, wheat middlings, wheat red dog flour.	As certified, -----	6231
4.58	5.00	5.16	6.00	5.40	Hominy feed, wheat flour, re-cleaned cottonseed meal, ground flaxseed, locust bean meal, ground beans and peas, soluble blood flour, cocoa shell meal, foenugreek, anise and salt.	Locust bean meal not detected.	5812
8.58	8.00	2.27	4.00	5.40	Oat meal, wheat meal, ground flaxseed, milk albumen, O. P. linseed oil meal, $\frac{1}{2}$ of 1% bicarbonate of soda, blood meal.	As certified, -----	5853
3.61	4.50	3.65	4.50	6.00	Blood flour, linseed meal, hominy feed, wheat flour and 1% salt.	As certified, -----	6199
3.93	4.00	3.20	3.50	6.40	Blood flour, linseed meal, hominy feed and wheat flour.	As certified, -----	6247
3.85	3.20	3.17	4.50	6.50	Blood flour, linseed meal, hominy feed and wheat flour, corn feed meal, 1% salt.	As certified, -----	6281
2.73	-----	3.34	-----	6.30			
4.45	5.00	5.70	6.75	5.75	Ground flaxseed, wheat flour, locust bean meal, linseed oil meal, coconut meal, re-cleaned cottonseed meal, blood flour, beans and lentils, cocoa shell meal, hominy feed, malt flour, foenugreek, anise and salt.	Locust bean meal not detected.	6268

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled at	Moisture.	Protein.	
				Found.	Guaranteed.
PROPRIETARY SWINE FEED.					
ACME-EVANS CO., INDIANAPOLIS, IND.					
6158	Acme Hog Feed, -----	Centre Milling Co., Phil- ipsburg.	% 9.65	% 17.60	% 15.00
ALTOONA FEED MILLS, ALTOONA, PA.					
6684	*Adler's Hog Feed, -----	Altoona Feed Mills, Al- toona.	9.50	16.56	9.00
BLATCHFORD Calf MEAL CO., WAUKEGAN, ILL.					
6376	Blatchford's Pig Meal, -----	The Lancaster County Farmers' Supply Co., Inc., Manheim.	9.82	19.00	12.00
5935	Blatchford's Pig Meal, -----	The I. W. Scott Co., Pittsburgh.	9.12	20.94	18.00
6612	Blatchford's Pig Meal, -----	Tionesta Milling Co., Ti- onesta.	10.17	21.25	18.00
6623	Blatchford's Pig Meal, -----	A. H. Ulsh's Sons, Mil- lerstown.	9.57	21.44	18.00
Average, -----			9.60	20.66	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
7.00	7.00	7.20	7.00	3 50	Corn, Homlik (corn feed meal), wheat bran, hominy meal, wheat middlings, linseed oil meal, corn oil cake meal and salt.	As certified, -----	6158
5.08	3.50	7.37	9.00	3 85	Palmo midds, whole ground corn, Kafir corn, oats, corn red dog flour, barley, oat meal mill by-products (oat middlings, oat hulls, oat shorts), salt, tankage, wheat bran, oil meal.	"Palmo midds" included wheat middlings and palm oil.	6094
4.68	5.00	6.87	7.00	5 90	Old process oil meal, locust bean, barley meal, malt sprouts, oat meal, cottonseed, corn meal, cocoa shell meal, blood flour, ground beans and peas, unpressed flaxseed, wheat flour, rice polish, anise, salt, less than 5% cocoa shell meal.	Locust bean meal and cottonseed not detected. Found also cottonseed meal.	6276
4.73	5.00	6.00	7.00	5 90	O. P. oil meal, barley and malt sprout meal, oat, corn, locust bean, cottonseed and cocoa shell meal, blood flour, ground beans and peas, unpressed flaxseed, wheat flour, rice polish, anise, salt.	Locust bean meal and malt sprouts not detected.	5945
5.93	5.00	6.85	7.00	7 00	Standard middlings, corn oil cake meal, soya bean meal, barley meal, fish meal, tankage, old process linseed meal, ground beans and peas, hominy feed, dried milk, corn meal, wheat flour, cocoa shell meal, rice polish, limestone and salt, less than 6% cocoa shell meal.	Soya bean meal not detected. Found also trace of rice hulls.	6512
5.91	5.00	7.37	7.00	7 00	Old process oil meal, locust bean, barley meal, malt sprouts, oat meal, cottonseed, corn meal, cocoa shell meal, blood flour, ground beans and peas, unpressed flaxseed, wheat flour, rice polish, anise, salt.	Locust bean meal and cottonseed not detected. Found also cottonseed meal.	6523
5.03	-----	6.74	-----	6 45			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5861	BROWN & FASSETT, MONTROSE, PA. *B. & F. Hog Ration, -----	Brown & Fassett, Montrose.	% 9.82	% 18.81	% 19.25,
6494	CHAPIN & CO., HAMMOND, IND. Bicorn Hog Feed, -----	Edward F. Bracken, Newtown Square.	9.97	19.06	17.50
6391	Bicorn Hog Feed, -----	John S. Brown & Sons Co., New Castle.	9.90	19.06	17.50
5775	Bicorn Hog Feed, -----	J. H. Hershberger & Son, Johnstown.	9.80	20.56	17.50
5959	Bicorn Hog Feed, -----	F. E. Painter, Mt. Pleasant.	9.67	18.38	17.50
6416	Bicorn Hog Feed, -----	Jos. C. Walker & Sons Co., Gap.	10.40	17.69	17.50
		Average, -----	9.94	18.95	-----
6676	CLOVER LEAF MILLING CO., BUFFALO, N. Y. Cloved Leaf Mills Hog Meal, -----	Dannals Milling Co., Altoona.	9.94	18.15	18.00
6093	Clover Leaf Mills Hog Meal, -----	M. O. Dietz & Son, Mechanicsburg.	11.70	18.86	18.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.62	5.00	6.12	5.00	3 80	Corn meal, ground oats, oil meal, hominy, red dog flour, tankage, gluten, charcoal and salt.	As certified, -----	5861
3.50	4.00	4.25	6.00	4 30	Corn feed meal, flour from wheat, corn, rice and buckwheat, corn germ meal, wheat middlings, barley, digester tankage, linseed meal, corn gluten feed, oats, bone meal, starch mill corn solubles with calcium salts and salt, Kaffir meal.	As certified, -----	6494
4.35	4.00	3.57	6.00	4 25	Corn feed meal, flour from wheat, corn, rice and buckwheat, corn germ meal, wheat middlings, barley, digester tankage, linseed meal, corn gluten feed, oats, bone meal, starch mill corn solubles with calcium salts and salt, Kaffir meal.	As certified, -----	6391
4.30	4.50	5.95	6.00	4 25	Digester tankage, corn germ meal, wheat middlings, hominy feed, corn feed meal, barley, oats, linseed meal, bone meal, corn gluten feed and salt.	As certified, -----	5775
3.95	4.50	4.62	6.00	4 00	Digester tankage, corn germ meal, wheat middlings, hominy feed, corn feed meal barley, oats, linseed meal, bone meal, corn gluten feed and salt.	As certified, -----	5959
4.08	4.00	3.75	6.00	4 15	Corn feed meal, flour from wheat, corn, rice and buckwheat, corn germ meal, wheat middlings, barley, digester tankage, linseed meal, corn gluten feed, oats, bone meal, starch mill corn solubles with calcium salts and salt.	As certified, -----	6416
4.04	-----	4.42	-----	4 19			
4.57	5.00	6.08	10.00	80.00	Wheat middlings, digester tankage, corn germ meal, linseed meal, corn feed meal, ground wheat screenings, molasses and $\frac{1}{2}$ of 1% salt.	Found also corn gluten feed and small amount small whole weed seeds.	6676
4.53	5.00	6.79	10.00	3 75	Wheat middlings, digester tankage, corn germ meal, linseed meal, corn feed meal, ground wheat screenings, molasses and $\frac{1}{2}$ of 1% salt.	Found also small amount of corn gluten feed and small whole weed seeds.	6093

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6325	Clover Leaf Mills Hog Meal, -----	Lycoming Flour Mills, Williamsport.	% 13.14	% 18.23	% 18.00
6368	Clover Leaf Mills Hog Meal, -----	Spanogle-Yeager Milling Co., Lewistown.	10.45	17.99	-----
	CORN PRODUCTS REFINING CO., NEW YORK, N. Y.	Average, -----	11.30	18.31	-----
6706	Diamond Hog Meal, -----	Bradford & Co., Centre Hall.	8.82	25.25	18.00
	THE ALBERT DICKINSON CO., CHICAGO, ILL.				
5873	Rival Hog Feed, -----	Harrington & Wilson, Montrose.	9.85	16.31	12.50
5967	Rival Hog Feed, -----	Hudson & Kuhns, Greensburg..	9.87	13.94	12.50
	EDGAR-MORGAN CO., MEMPHIS, TENN.	Average, -----	9.86	15.13	-----
6381	Happy Hog Feed, -----	S. Book & Brother, Quarryville.	9.10	23.63	20.00
	JOHN W. ESHELMAN & SONS, LANCASTER, PA.				
6623	Eshelman's Hog Meal, -----	Dillsburg Grain & Milling Co., Dillsburg.	10.30	15.44	16.00
5904	Eshelman's Hog Meal, -----	John W. Eshelman & Sons, Lancaster.	11.65	17.13	18.00
	HALES & HUNTER CO., CHICAGO, ILL.	Average, -----	10.97	16.29	-----
5939	College Hog Feed, -----	Johnston & Smith, Wilkinsburg.	9.92	18.00	16.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.03	5.00	6.96	10.00	3 75	Wheat middlings, digester tankage, corn germ meal, linseed meal, corn feed meal, ground wheat screenings, molasses and $\frac{1}{2}$ of 1% salt.	Found also wheat bran and corn gluten feed.	6325
3.90	-----	5.56	-----	3 90	-----	Wheat middlings, corn feed meal, corn germ meal, corn gluten feed, old process linseed oil meal, tankage, ground grain screenings, molasses and salt.	6368
4.26	-----	6.34	-----	77 00			
10.06	7.00	13.45	13.00	3 75	Corn oil cake meal, ---	As certified, -----	6706
5.31	3.00	8.93	12.50	3 30	Linseed oil meal, ground corn bran, corn feed meal, alfalfa meal, ground screenings from wheat, oats, barley, Kaffir corn and salt.	As certified, -----	5873
4.15	3.00	9.47	12.50	3 40	Linseed oil meal, ground corn bran, corn feed meal, alfalfa meal, ground screenings from wheat, oats, barley, Kaffir corn and salt.	As certified, -----	5907
4.73	-----	9.20	-----	3 35			
5.90	6.00	11.77	12.00	3 90	Corn feed meal, velvet bean feed, peanut oil meal, cocoanut meal, wheat shorts, alfalfa leaves, tankage, charcoal, calcium phosphate.	"Alfalfa leaves" identified as alfalfa meal. Found also small amount peanut hulls.	6381
5.60	5.00	4.47	4.50	4 10	Ten per cent. digester tankage, corn feed meal, ground rye, ground grain screenings, wheat middlings, ground barley, charcoal, cane molasses.	Found also Kaffir corn and oats.	6623
4.73	5.00	4.45	4.50	3 55	Corn feed meal, ground rye, ground grain screenings, wheat middlings, charcoal, ground barley, cane molasses.	As certified, -----	5904
5.17	-----	4.46	-----	3 83			
4.38	4.00	7.52	10.00	4 00	Digester tankage, flour middlings, ground oats, ground barley, wheat bran, corn feed meal, alfalfa meal, $\frac{1}{2}$ of 1% lime, $\frac{1}{2}$ of 1% salt.	Found also dried buttermilk and a small amount flax plant refuse.	5939

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5850	Pioneer Hog Feed with Dried Buttermilk.	Keystone Supply Co., Jeannette.	% 9.35	% 17.19	% 16.00
6520	Pioneer Hog Feed with Dried Buttermilk.	J. H. Lavery's Sons, Franklin.	10.00	15.38	15.00
6207	Pioneer Hog Feed with Dried Buttermilk.	Smith Brothers, Bradford,	10.55	18.94	15.00
	CHARLES A. KRAUSE MILLING CO., MILWAUKEE, WIS.	Average, -----	9.96	17.17	-----
6237	Badger Hog Feed, -----	The G. F. Musser Co., Belleville.	10.60	17.38	15.00
6174	Badger Homo-Hog Feed, -----	Keystone Flour Co., Clearfield.	11.57	14.06	13.00
6687	Badger Homo-Hog Feed, -----	Klepser Brothers, Altoona,	8.92	14.75	13.00
6702	Badger Homo-Hog Feed, -----	E. C. Noll, Lewisburg, --	8.52	14.31	13.00
	LADISH MILLING CO., MILWAUKEE, WIS.	Average, -----	9.67	14.37	-----
6017	True Value Hog Feed, -----	Monaca Roller Mills, Monaca.	9.90	21.13	16.00
	THE LARROWE MILLING CO., DETROIT, MICH.	Kline's Sifter Mills, Brookville.	9.15	21.56	18.00
5809	Larrowe Hog Feed, -----	H. J. Klingler & Co., Butler.	8.60	22.00	18.00
		Average, -----	8.87	21.78	-----

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
% 4.80	% 4.00	% 6.84	% 9.00	\$ 4 00	Corn feed meal, wheat middlings, ground oats, ground barley, wheat flour middlings, linseed oil meal, wheat, barley and Kaffir corn screenings, digester tankage, dried buttermilk, lime and salt.	As certified, -----	6850
4.03	4.00	6.92	9.00	93.00	Wheat middlings, corn feed meal, linseed oil meal, ground and bolted wheat, barley and Kaffir screenings, dried buttermilk and digester tankage.	As certified, -----	6520
4.40	4.00	7.70	9.00	4 50	Corn feed meal, ground and bolted wheat, barley and Kaffir screenings dried buttermilk and digester tankage.		
4.41	-----	7.15	-----	87 67		Found also corn glu-	6207
3.70	5.00	8.25	7.50	4 25	Hominy feed, corn feed meal, tankage, wheat middlings, corn germ meal, O. P. linseed oil meal and salt, corn gluten feed, corn red dog flour, barley.	Found also small amount of rice hulls and oat meal mill by-product (oat middlings and oat hulls.	6237
6.05	6.00	3.47	4.50	4 25	Badger hominy feed (either white or yellow), tankage and salt.	As certified, -----	6174
6.95	6.00	4.70	4.50	4 50	Badger hominy feed, white or yellow corn, red dog flour, corn germ meal, tankage and salt.	As certified, -----	6687
6.69	6.00	4.52	4.50	65 00	Badger hominy feed, white or yellow corn, red dog flour, corn germ meal, tankage and salt.	As certified, -----	6702
6.56	-----	4.23	-----	80.00			
5.55	4.00	7.90	10.00	4.10	Corn feed meal, wheat middlings, with ground screenings not exceeding mill run, rye middlings, alfalfa meal, corn meal, cocoanut meal, tankage, ground oats and salt.	As certified, -----	6017
5.78	5.00	7.35	10.00	4 20	Corn germ meal, old process linseed oil meal, hominy feed, meat meal, wheat middlings, wheat bran, dried beet pulp and $\frac{1}{2}$ of 1% salt.	As certified, -----	6459
6.14	5.00	7.10	10.00	4.60	Corn germ meal, O. P. linseed oil meal, hominy feed, meat meal, wheat middlings, wheat bran, dried beet pulp, $\frac{1}{2}$ of 1% salt.	As certified, -----	5809
5.96	-----	7.22	-----	4.40			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	C. P. MATTHEWS & SONS, INC., SCRANTON, PA.				
6021	Best Pig Feed, -----	C. P. Matthews & Sons, Inc., Scranton.	% 9.50	% 16.00	% 19.00
	THE PARK & POLLARD CO. OF ILL., CHICAGO, ILL.				
6044	*Go Tu It Hog Ration, -----	The Irwin Muir Co., Brad- dock.	7.00	19.38	15.00
6039	*Go Tu It Hog Ration, -----	Rochester Seed & Supply Co., Rochester.	8.65	20.19	15.00
6051	*Go Tu It Hog Ration, -----	R. D. Schnably, Bedford,	8.70	19.00	15.00
		Average, -----	8.11	19.52	-----
	J. E. PRITTS, SCOTTTDALE, PA.				
5920	*Pritts' Pig Feed, -----	J. E. Pritts, Scottdale, --	12.35	21.44	16.00
	RALSTON PURINA CO., INC., ST. LOUIS, MO.				
6002	Purina Pig Chow with Charcoal not over 2%.	Wm. Gates Estate, Kit- tanning.	13.33	15.77	15.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.15	4.35	5.00	6.45	3 90	Linseed, white midds, brown midds, meal, ground oats, tankage.	Found also linseed oil meal, corn feed meal and ground grain screenings.	6021
5.10	6.00	12.90	13.00	4 00	Cocoanut oil meal, velvet bean meal, peanut oil feed, rice bran, O. P. linseed oil meal, alfalfa meal, hominy meal, oat hulls, oat middlings, oat shorts, fish meat, bone, corn meal, corn germ meal, wheat middlings, salt, calcium carbonate, calcium hydroxide.	Velvet bean meal and hominy meal not detected. Found also small amount of peanut hulls and rice hulls.	6044
4.10	6.00	9.72	13.00	3 15	Cocoanut oil meal, velvet bean meal, peanut oil feed, rice bran, old process linseed oil meal, alfalfa meal, hominy meal, oat hulls, oat middlings, oat shorts, fish meat, bone, corn meal, corn germ meal, wheat middlings, salt, calcium hydroxide, calcium carbonate.	Velvet bean meal not detected. Found also cottonseed meal and trace of peanut hulls and rice hulls.	6042
6.13	6.00	12.50	13.00	4 00	Cocoanut oil meal, velvet bean meal, peanut oil feed, rice bran, old process linseed oil meal, alfalfa meal, hominy meal, oat hulls, oat middlings, oat shorts, fish meat, bone, corn meal, corn germ meal, wheat middlings, salt, calcium hydroxide, calcium carbonate.	Found also large amount of rice hulls.	6031
5.11	-----	11.70	-----	3 72			
4.30	3.00	6.10	6.50	3.30	Corn, chop, wheat middlings, alfalfa meal, low grade flour, digester tankage and oil meal.	As certified, -----	5920
2.38	2.50	0.47	9.00	4 10	Hominy feed, cane molasses, gluten feed from corn, corn meal, digester tankage, linseed oil meal (O. P.), alfalfa, charcoal (made from humus), and 1% salt.	As certified, -----	6049

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6172	Purina Pig Chow with Charcoal not over 2%.	J. T. Murphy, Clearfield,	% 14.48	% 14.97	% 15.00
6279	Purina Pig Chow with Charcoal not over 2%.	Chas. O. Salberg, Ridg- way.	13.89	17.32	15.00
		Average, -----	14.06	16.02	-----
6454	Purina Pig Chow with Charcoal not over 3%.	Port Allegany Milling Co., Port Allegany.	12.18	14.03	14.00
6607	RYDE & CO., CHICAGO, ILL. Ryde's Pig Meal, -----	Mahoning Valley Milling Co., Punxsutawney.	12.10	21.88	21.00
6150	Ryde's Pig Meal, -----	J. O. Reed, Phillipsburg,--	10.77	20.31	21.00
6269	Ryde's Pig Meal, -----	Warren City Mills, War- ren.	10.57	18.94	21.00
		Average, -----	11.14	20.38	-----
6633	THE UBIKO MILLING CO., CIN CINNATI, OHIO. Ubiko Pig Meal, -----	John B. Curry Estate, Swatara.	8.47	20.25	18.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
2.85	2.50	8.34	9.00	4 00	Hominy feed, cane molasses, ground barley, gluten feed from corn, cracked corn, digester tankage, linseed oil meal (old process), alfalfa, charcoal (made from humus), and 1% salt.	As certified, -----	6172
3.15	2.50	6.15	9.00	4 75	Hominy feed, cane molasses, gluten feed from corn, corn meal, digester tankage, linseed oil meal (O. P.), alfalfa, charcoal (made from humus), and 1% salt.	As certified, -----	6279
2.94	-----	6.99	-----	4.28			
3.08	3.50	9.88	9.00	4 25	Hominy feed, cane molasses, gluten feed from corn, digester tankage, alfalfa, charcoal and 1% salt.	Found also linseed oil meal.	6454
5.45	6.00	6.00	6.00	5 00	Corn meal, oat meal, meat scraps, wheat middlings, cocoanut meal, locust bean meal, ground flaxseed, re-cleaned cottonseed meal, blood flour, ground beans, cocoa shell meal, hominy feed, foenugreek, anise and salt.	Locust bean meal not detected.	6007
5.80	6.00	7.27	6.00	5.60	Corn meal, oat meal, meat scraps, wheat middlings, cocoanut meal, locust bean meal, ground flaxseed, re-cleaned cottonseed meal, blood flour, ground beans, cocoa shell meal, hominy feed, foenugreek, anise and salt.	Locust bean meal not detected.	6150
4.45	6.00	5.70	6.00	5.75	Corn meal, oat meal, meat scraps, wheat middlings, cocoanut meal, locust bean meal, ground flaxseed, re-cleaned cottonseed meal, blood flour, ground beans, cocoa shell meal, hominy feed, foenugreek, anise and salt.	Locust bean meal not detected.	6269
5.22	-----	6.52	-----	5 45			
6.35	5.00	5.37	8.00	4 25	Digester tankage, hominy meal, wheat middlings, cocoanut oil meal, corn germ meal, O. P. linseed meal, rye middlings and salt.	As certified, -----	6633

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5275	Ubiko Pig Meal, -----	King Brothers, Uniontown,	% 9.82	% 20.63	% 18.00
		Average, -----	9.14	20.44	-----
PROPRIETARY CHOP FEED.					
ACME-EVANS CO., INDIANAPOLIS, IND.					
6160	Acme C. O. B. Chop, -----	Centre Milling Co., Phil- ipsburg.	9.20	9.00	8.00
CHARLES A. KRAUSE MILLING CO., MILWAUKEE, WIS.					
6683	Badger Monopoly Feed, -----	Altoona Feed Mills, Al- toona.	10.75	12.38	9.00
6408	Badger Monopoly Feed, -----	Christiana Grain & Sup- ply Co., Christiana.	10.65	10.63	9.00
6813	Badger Monopoly Feed, -----	F. H. Hagerman, To- wanda.	10.37	10.81	9.00
6685	Badger Monopoly Feed, -----	Klepper Brothers, Altoona,	9.32	10.63	9.00
6507	Badger Monopoly Feed, -----	Pamona No. 3 Exchange, West Chester.	11.77	10.31	9.00
		Average, -----	10.57	10.95	-----
THE TOLEDO GRAIN & MILLING CO., TOLEDO, OHIO.					
6167	Camp's Little Wonder Chop Feed, --	Centre Milling Co., Phil- lipsburg.	8.82	10.25	9.00
6423	Camp's Little Wonder Chop Feed, --	F. H. Dyer, Lock Haven,	10.57	10.63	9.00
6168	Camp's Little Wonder Chop Feed, --	J. T. Murphy, Clearfield,	9.47	10.25	9.00
5243	Camp's Little wonder Chop Feed, --	Smith Brothers Co., Ridg- way.	10.10	9.94	9.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.35	5.00	7.10	8.00	4 00	Digester tankage, wheat middlings, hominy feed, cocoanut oil meal, germ oil meal, O. P. linseed meal, rye middlings and salt.	As certified, -----	5875
5.84	-----	6.23	-----	4.13			
3.93	4.00	9.25	7.00	3 50	Corn, oats, barley, oat hulls and salt.	Barley not detected. --	6160
3.50	3.50	3.65	8.00	3 75	Ground whole oats, corn, barley and Kafir corn.	As certified, -----	6683
3.33	3.50	5.75	10.00	80 00	Ground whole corn, Kafir corn, oats and barley.	Barley not detected,	6408
2.79	3.50	6.51	10.00	2 50	Ground whole corn, oats and barley.	Found also ground Kafir corn.	6813
3.43	3.50	5.60	8.00	4.25	Ground whole oats, corn, barley and Kafir corn.	As certified, -----	6685
3.25	3.50	5.50	10.00	4.25	Ground whole corn, Kafir corn, oats and barley.	As certified, -----	6507
3.26	-----	5.40	-----	75 00			
3.48	3.50	9.35	9.00	3 50	White or yellow corn, oats, corn meal mill by-products (fine meal and siftings), oat meal by-products (oat groats, oat middlings, oat hulls), and $\frac{1}{2}$ of 1% fine salt.	As certified. (Yellow corn present.)	6167
3.50	3.50	7.82	9.00	3 50	White corn, oats, corn meal mill by-products (fine meal and siftings), oat meal by-products (oat groats, oat middlings, oat hulls), and $\frac{1}{2}$ of 1% fine salt.	As certified, -----	6223
3.43	3.50	11.80	9.00	3 75	White or yellow corn, oats, corn meal mill by-products (fine meal and siftings), oat meal by-products (oat groats, oat middlings, oat hulls), and $\frac{1}{2}$ of 1% fine salt.	As certified. (Yellow corn present.)	6168
3.58	3.50	7.20	9.00	4 50	White corn, oats, corn meal mill by-products (fine meal and siftings), oat meal by-products (oat groats, oat middlings, oat hulls), and $\frac{1}{2}$ of 1% fine salt.	As certified, -----	6233

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6468	Camp's Little Wonder Chop Feed, ---	F. M. Timlin, DuBois, ---	% 10.45	% 9.19	% 9.00
		Average, -----	9.88	10.05	-----
6291	Camp's M. D. Chop Feed, -----	L. Todd Owens, Apollo, --	10.45	9.69	9.00
6456	Camp's Surprise Chop Feed, -----	Kline's Sifter Mills, Brookville.	9.87	9.44	9.00
6259	Camp's Surprise Chop Feed, -----	H. H. Lysinger & Son, Bedford.	9.85	9.13	9.00
6169	Camp's Surprise Chop Feed, -----	J. T. Murphy, Clearfield,	8.85	10.00	9.00
6151	Camp's Surprise Chop Feed, -----	J. O. Reed, Phillipsburg,	9.67	10.31	9.00
5930	Camp's Surprise Chop Feed, -----	Richey & McFarland, Carnegie.	8.95	11.44	9.00
		Average, -----	9.43	10.06	-----

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.88	3.50	7.85	9.00	3 90	White corn, oats, corn meal mill by-products (fine meal and siftings), oat meal by-products (oat groats, oat middlings, oat hulls), and $\frac{1}{2}$ of 1% fine salt.	As certified, -----	6468
3.57	-----	8.80	-----	3 83			
4.05	3.50	7.25	9.00	3 60	White or yellow corn, oats, corn meal mill by-products (fine meal and siftings), oat meal by-products (oat groats, oat middlings, oat hulls), and $\frac{1}{2}$ of 1% fine salt.	As certified. (Both white and yellow corn present.)	6291
3.68	4.00	7.75	9.00	3 80	White or yellow corn, oats, corn meal mill by-products (fine meal and siftings), oat meal by-products (oat groats, oat middlings, oat hulls), wheat middlings and $\frac{1}{2}$ of 1% fine salt.	As certified, -----	6456
3.30	4.00	11.50	9.00	3 50	White or yellow corn, oats, corn meal mill by-products (fine meal and siftings), oat meal by-products (oat groats, oat middlings, oat hulls), wheat middlings and $\frac{1}{2}$ of 1% fine salt.	As certified. (Yellow corn present.)	6259
3.40	4.00	11.47	9.00	3 75	White or yellow corn, oats, corn meal mill by-products (fine meal and siftings), oat meal by-products (oat groats, oat middlings, oat hulls), wheat middlings and $\frac{1}{2}$ of 1% fine salt.	As certified. (Yellow corn present.)	6169
3.98	4.00	10.32	9.00	3 50	White or yellow corn, oats, corn meal mill by-products (fine meal and siftings), oat meal by-products (oat groats, oat middlings, oat hulls), wheat middlings and $\frac{1}{2}$ of 1% fine salt.	As certified, -----	6151
3.70	4.00	10.87	9.00	3 50	White or yellow corn, oats, corn meal mill by-products (fine meal and siftings), oat meal by-products (oat groats, oat middlings, oat hulls), wheat middlings and $\frac{1}{2}$ of 1% fine salt.	As certified, -----	5930
3.61	-----	10.38	-----	3 61			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	MISCELLANEOUS CHOP FEED.		%	%	%
	CORN CHOP.				
	THE TOLEDO GRAIN & MILLING CO., TOLEDO, OHIO.				
6285	Camp's Yellow Corn Meal, -----	Smith Brothers Co., Ridgeway.	11.87	9.56	-----
	OAT CHOP.				
	CARBONDALE MILLING CO., CARBONDALE, PA.				
6605	*Ground Oats, -----	Carbondale Milling Co.,	8.45	13.25	-----
	EMPIRE MILLS, OLEAN, N. Y.				
6602	*Ground Oats, -----	C. Ditchburn's Sons, Carbondale.	8.92	12.31	-----
	A. C. GODSHALL & CO., INC., LANSDALE, PA.				
6477	*Oats Chop, -----	A. C. Godshall & Co., Inc., Lansdale.	7.65	13.75	-----
	HONESDALE MILLING COMPANY, HONESDALE, PA.				
6775	*Crushed Oats, -----	Honesdale Milling Co., Honesdale.	7.50	14.82	-----
6777	*Crushed Oats, -----	Honesdale Milling Co., Honesdale.	6.90	12.75	-----
		Average, -----	7.20	13.79	-----
	MAUSDAL E ROLLER MILLS, MAUSDAL E, PA.				
6119	*Oats Chop, -----	Mausdale Roller Mills, Mausdale.	10.32	13.31	-----
	WAYNE MILLING CO., HONESDALE, PA.				
6785	*Ground Oats, -----	Wayne Milling Company, Honesdale.	7.15	10.88	-----
		Total average, -----	8.12	13.01	-----
	BARLEY CHOP.				
	THE PARK & POLLARD CO., CHICAGO, ILL				
5768	*Barley Chop, -----	Johnstown Milling Co., Johnstown.	9.20	14.56	-----
	CORN AND OATS CHOP.				
	BROADWAY FLOUR & FEED CO., SCOTTDAL E, PA.				
5956	*No. 1 Corn and Oats Chop, -----	Broadway Flour & Feed Co., Scottdale.	12.32	12.75	-----
5955	*No. 2 Corn and Oats Chop, -----	Broadway Flour & Feed Co., Scottdale.	11.72	12.50	-----
	BROWN & FASSETT, TUNKHANNOCK, PA.				
5794	*Mixed Chop, -----	Brown & Fassett, Tunkhannock.	10.30	12.69	9.79
	CARBONDALE MILLING CO., CARBONDALE, PA.				
6604	*No. 1 Feed, -----	Carbondale Milling Co., Carbondale.	10.02	10.13	-----
	CROUCH BROTHERS CO., ERIE, PA.				
6282	Corn and Oats Chop, -----	Smith Brothers Co., Ridgeway.	11.77	9.69	3.75
	EMPORIUM MILLING CO., EMPORIUM, PA.				
6420	Corn and Oats Chop, -----	Emporium Milling Co., Emporium.	11.25	9.33	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.03	-----	2.25	-----	4 60	Pure and unadulterated.	Corn chop, -----	6233
3.98	-----	10.67	-----	4.30	Pure oats, -----	As certified, -----	6605
5.10	-----	9.22	-----	4 00	Pure oats, -----	As certified, -----	6602
4.70	-----	8.80	-----	4 50	Whole oats, -----	As certified, -----	6477
4.18	-----	9.62	-----	3 05	Pure oats, -----	Found also crushed barley.	6775
5.29	-----	11.84	-----	3 15	Pure oats, -----	Found also crushed barley.	6777
4.74	-----	10.73	-----	3 10			
4.33	-----	11.02	-----	3 50	Whole oats, -----	As certified, -----	6119
6.72	-----	8.61	-----	2 75	Pure oats, -----	As certified, -----	6785
4.90	-----	9.96	-----	3 61			
3.67	-----	9.93	-----	77 00	-----	Ground barley and oats.	5768
4.00	-----	3.70	-----	3.80	Corn and oats, -----	As certified, -----	5956
3.93	-----	5.40	-----	3 00	Corn, oats and screen- ings.	As certified, -----	5955
4.40	4.61	5.50	-----	3 40	-----	Corn and oats, -----	5794
4.18	-----	4.92	-----	4 00	Corn and oats, -----	As certified, -----	6604
4.05	4.05	4.20	4.40	4 50	-----	Corn and oats, -----	6282
3.95	-----	4.10	-----	4 80	-----	Corn and oats, -----	6420

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6688	P. B. FURRY, LOYSBURG, PA. *Mixt Chop, -----	Juniata Cash Feed Store, Juniata.	% 7.50	% 8.06	% -----
6817	F. H. HAGERMAN, TOWANDA, PA. *Corn and Oats Chop, -----	F. H. Hagerman, To- wanda.	10.15	9.25	-----
6120	MAUSDALE ROLLER MILLS, MAUSDALE, PA. *Corn and Oats Chop, -----	Mausdale Roller Mills, Mausdale.	11.00	12.50	-----
6163	RED BANK MILLS, NEW BETHLE- HEM, PA. *Economy, -----	A. C. Snyder & Son, Clarion.	11.65	9.38	-----
6760	SCUREMAN MILLING COMPANY, WILKES-BARRE, PA. *Corn and Oats Chop, -----	Scureman Milling Com- pany, Wilkes-Barre.	10.10	9.25	-----
5796	C. B. TYLER, MESHOPPEN, PA. *Chop, -----	C. B. Tyler, Tunkhan- nock. Average, -----	8.67 10.53	15.00 10.88	----- -----
CHOP FEED.					
5807	FARMERS MILLING CO., BUR- GETTSTOWN, PA. Ear Corn and Oats Feed, -----	Braddock Feed & Supply House, Braddock.	11.85	11.13	10.63
6267	E. W. FLUKE, WILLIAMSBURG, PA. Corn, Oats and Rye Chop, -----	Leibovitz Feed Mills, Al- toona.	11.70	10.88	-----
6471	L. M. KRINER, DUBOIS, PA. *Corn, Oats and Buley Chop, -----	L. M. Kriner, DuBois, ---	11.30	10.50	-----
6844	A. K. KULP, POTTSSTOWN, PA. Cob Corn Chop, -----	A. K. Kulp, Pottstown, --	10.57	8.13	-----
6838	*Mixed Chop, -----	A. K. Kulp, Pottstown, --	12.05	11.69	-----
6484	A. C. GODSHALL & CO., INC., LANSDALE, PA. Mixed Chop, -----	A. C. Godshall & Co., Inc., Lansdale.	8.15	12.56	-----
6620	C. P. MATTHEWS & SONS, INC., SCRANTON, PA. *Corn and Oats Chop, -----	C. P. Matthews & Sons, Inc., Scranton.	8.75	12.81	7-9
6121	MAUSDALE ROLLER MILLS, MAUSDALE, PA. *Corn and Oats Chop, -----	Mausdale Roller Mills, Mausdale.	11.45	9.44	-----
MISCELLANEOUS FEED.					
6138	AMERICAN HOMINY CO., INDIAN- APOLIS, IND. Homeoline Feed, -----	Union City Co-operative Association, Union City.	4.25	17.56	17.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Found.	Guaranteed.	Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.
		Found.	Guaranteed.			
%	%	%	%	\$		
3.55	-----	8.00	-----	4 00	-----	Corn and oats, ----- 6688
4.30	-----	5.17	-----	2 40	Corn and oats, -----	As certified, ----- 6817
4.33	-----	6.67	-----	3 50	Shelled corn and oats,--	As certified, ----- 6120
3.75	-----	4.92	-----	4 75	Pure and unadulterated,	Corn and oats, ----- 6463
4.75	-----	4.76	-----	2 30	Corn and oats with ground screenings not exceeding mill run.	As certified, ----- 6766
4.92	-----	5.81	-----	3 20	Corn and oats, half and half.	As certified, ----- 5796
4.18	-----	5.26	-----	3.64		
3.16	4.50	11.95	7.26	49.00	-----	Ear corn and oat feed (oat middlings, oat shorts, oat hulls). 5807
3.58	-----	5.57	-----	4 00	-----	Corn, oats and rye, -- 6267
3.05	-----	4.90	-----	4 25	-----	Corn, oats and barley, 6471
3.73	-----	6.13	-----	2 00	Cob corn, -----	As certified, ----- 6844
4.20	-----	3.25	-----	3 00	Corn, oats, rye and wheat.	As certified, ----- 6838
3.00	-----	5.47	-----	3.10	Cob corn, rye and screenings not exceeding mill run and oats.	As certified, ----- 6484
4.73	3-5	5.30	6-7	3.60	Corn, oats, hominy, oat hulls.	Found also alfalfa meal, linseed oil meal, ground barley, corn gluten feed, buckwheat middlings and ground grain screenings, charcoal and salt. 6620
4.53	-----	5.65	-----	3 00	Ear corn and oats, ---	As certified, ----- 6121
10.48	5.00	6.82	7.00	3 10	Manufactured from white corn.	Corn germ oil meal,---- 6138

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
THE BLATCHFORD CALF MEAL CO., WAUKEGAN, ILL.					
5934	Blatchford's Lamb Meal, -----	The I. W. Scott Co., Pittsburgh.	% 9.15	% 23.13	% 20.00
5813	Blatchford's Rabbit Meal -----	H. J. Klingler & Co., Butler.	9.77	23.94	20.00
CONSOLIDATED PRODUCTS CO., LINCOLN, NEB.					
6732	Semi-Solid Buttermilk, -----	Diehl, Omwake & Diehl, Chambersburg.	71.78	12.80	13.53
MINER-HILLARD MILLING CO., WILKES-BARRE, PA.					
6744	Choice Coarse Buckwheat Groats, --	Miner-Hillard Milling Co., Plymouth.	14.25	14.19	-----
PROPRIETARY POULTRY FEED.					
SCRATCH FEED.					
THE AKRON FEED & MILLING CO., AKRON, OHIO.					
6154	Portage Scratch Feed, -----	J. O. Reed, Philipsburg,	12.15	10.63	8.00
AMERICAN MILLING CO., PEORIA, ILL.					
6293	Cluck Cluck Scratch Feed, -----	Harry May, Leechburg, --	12.49	10.31	10.00
6386	Sucrene Chick Feed, -----	Elmer Eby, Lititz, -----	10.42	10.94	10.00
6294	Sucrene Chick Feed, -----	Harry May, Leechburg, --	12.42	11.19	10.00
		Average, -----	11.42	11.07	-----
ANDERSON BROTHERS CO., YORK, PA.					
6666	A. B. C. Chick Feed, No Grit, -----	Anderson Brothers Co., York.	10.00	10.50	10.00
6669	A. B. C. Pullet Feed, -----	Anderson Brothers Co., York.	10.42	10.25	10.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.95	4.00	5.22	6.00	5 90	Locust bean meal, barley meal, blood flour, linseed oil meal, rice polish, bean meal, re-cleaned cotton seed meal, corn meal, wheat flour, anise seed and salt.	Locust bean meal not detected.	5934
5.29	4.50	7.62	8.00	7 00	Locust bean meal, unpressed flaxseed, wheat flour, blood flour, wheat bran, barley and malt sprout meal, ground beans and peas, rice polish, O. P. oil meal, less than 5% cocoa shell meal, cocoanut meal, re-cleaned cotton seed meal, foenugreek, dried milk, anise and salt.	Locust bean meal not detected.	5813
3.18	3.45	-----	-----	125 00	-----	Semi-solid buttermilk,--	6732
3.97	-----	0.84	-----	6.50	-----	Buckwheat groats, ----	6744
3.08	2.50	2.90	3.00	4 25	Corn, wheat, barley, Kaffir corn, sunflower seed and buckwheat.	Corn mouldy and damaged.	6154
3.60	2.50	2.25	5.00	4.75	Corn, wheat, Kaffir, barley, sunflower seed, buckwheat and oats.	As certified, -----	6293
3.55	2.50	2.95	5.00	4 80	Corn, wheat, Kaffir and millet.	Found also large amount small whole weed seeds.	6386
2.88	2.50	2.00	5.00	4 75	Corn, wheat, Kaffir and millet.	As certified, -----	6294
3.22	-----	2.47	-----	4 78			
3.65	3.00	2.25	5.00	4 40	Millet seed, hulled oats, cracked wheat, cracked corn, cracked Kaffir corn, cracked milo malze, re-cleaned wheat screenings.	Found also small amount small whole weed seeds.	6666
3.13	4.00	2.02	3.00	4 40	Cracked corn, wheat, Kaffir corn, milo maize, millet seed, re-cleaned wheat screenings.	Found also hulled oats, rye and small whole weed seeds. amount small whole weed seeds.	6669

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6667	A. B. C. Scratch Feed, No Grit, ----	Anderson Brothers Co., York.	% 9.65	% 9.88	% 10.00
6668	White Rose Scratch Feed, -----	Anderson Brothers Co., York.	9.10	10.63	10.00
6568	ASH BROTHERS, BRIAR CREEK, PA. Mothers Chick Feed, -----	Ash Brothers, Briar Creek,	10.75	11.50	-----
6569	Scratching Grain, -----	Ash Brothers, Briar Creek,	12.20	9.00	-----
6662	J. J. BADENOCH CO., CHICAGO, ILL. Daily Egg Chick Feed, No Grit, ----	J. B. Roux, Farrell, ----	11.05	9.50	9.50
6393	*Sunflower Chick Feed, No Grit, ----	John S. Brown & Sons Co., New Castle.	13.15	10.94	9.50
6395	Sunflower Poultry Feed, -----	P. Wagner & Son, New Castle.	11.50	10.94	9.00
6334	BLANK & GOTTSBALL, SUN- BURY, PA. B. & G. Chick Food, -----	Blank & Gottshall, Sun- bury.	10.85	10.31	10.50
6349	B. & G. Chick Food, -----	H. C. Jackson Supply Co., Lewistown.	11.72	10.19	10.50
		Average, -----	11.28	10.25	-----
6333	B. & G. Hen Food, -----	Blank & Gottshall, Sun- bury.	11.85	9.13	10.00
6346	B. & G. Hen Food, -----	H. C. Jackson Supply Co., Lewistown.	10.25	9.63	10.00
		Average, -----	11.05	9.38	-----
6766	BROADWAY MILLS, BERGIN & CO., NANTICOKE, PA. *Mixed Chicken Feed, Hen Food, No Grit.	Broadway Mills, Bergin & Co., Nanticoke.	9.57	10.88	8.11

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.70	3.00	2.70	4.00	4 30	Recleaned grain screenings from wheat, sunflower seed, wheat, Kaffir corn, barley, cracked corn, rye and oats.	Rye not detected. Found also small amount of whole weed seeds.	6687
4.48	3.00	2.87	5.00	4 20	Recleaned grain screenings from wheat, cracked corn, sunflower seed, wheat, barley, Kaffir corn, rye and oats.	Found also small amount of whole weed seeds.	6668
3.10	-----	1.87	-----	5 00	Whole wheat, hulled oats, Kaffir, rice, millet and cracked corn.	Rice not detected,-----	6568
3.98	-----	2.60	-----	4 50	Wheat, oats and cracked corn.	Found also Kaffir corn and small amount whole weed seeds.	6569
2.60	2.50	1.70	5.00	4 50	Cracked wheat, cracked corn, millet, cracked Kaffir corn, cracked milo maize.	As certified, -----	6662
3.48	2.50	3.77	5.00	6 00	Cracked wheat, cracked corn, millet, cracked Kaffir corn, cracked milo maize and seed screenings.	Found also flax seed and a large amount small whole weed seeds.	6393
3.90	2.50	3.17	5.00	4 75	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat, milo maize.	Found also millet seed,	6395
4.03	2.25	1.97	3.50	4 75	Cracked corn, cracked wheat, cracked Kaffir corn, cracked milo maize, millet and crushed peas.	As certified, -----	6334
4.55	2.25	1.92	3.50	5 50	Cracked corn, cracked wheat, cracked Kaffir corn, cracked milo maize, millet and crushed peas.	As certified, -----	6349
4.29	-----	1.94	-----	5 13			
3.83	2.25	3.07	3.50	4 50	Cracked corn, wheat, Kaffir corn, buckwheat, barley, sunflower seed, oats and charcoal.	Found also small amount whole weed seeds.	6333
3.88	2.25	3.50	3.50	5 00	Cracked corn, wheat, Kaffir corn, buckwheat, barley, Hen-E-Ta bone, oats, charcoal, sunflower seed.	Charcoal not detected. Found also small amount whole weed seeds.	6346
3.86	-----	3.28	-----	4 75			
3.95	2-5	3.92	4-6	3 40	Cracked corn, buckwheat, wheat, miscellaneous seeds.	Cracked corn, buckwheat, wheat, barley, cracked peas and small amount whole weed seeds.	6766

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6764	*Mixed Chicken Feed with Grit, -----	Broadway Mills, Bergin & Co., Nantioke.	% 9.07	% 9.38	% 8-11
5783	BROWN & FASSETT, TUNKHAN- NOCK, PA. *Scratch Feed, -----	Brown & Fassett, Tunk- hannock.	12.07	11.44	8-10
6394	THE ALBERT H. BUEHRLE CO., YOUNGSTOWN, OHIO. Scratch Feed, -----	John S. Brown & Sons Co., New Castle.	12.32	10.19	-----
6603	CARBONDALE MILLING CO., CARBONDALE, PA. *Pure Grain Chick Feed, -----	Carbondale Milling Co., Carbondale.	10.25	9.19	-----
5938	THE G. E. CONKEY CO., CLEVEL- LAND, OHIO. Conkey's Scratch Feed, No Grit, -----	The I. W. Scott Co., Pittsburgh.	11.99	11.94	10.50
6594	THE CORNO MILLS CO., ST. LOUIS, MO. Pawnee Hen Feed, -----	Washington Milling Co., Washington.	11.15	11.13	10.00
6598	--- CURTISS GRAIN CORPORATION, BUFFALO, N. Y. Rex Scratch Feed, -----	C. Ditchburn's Sons, Car- bondale.	10.75	10.63	10-11
6319	F. W. DAWSON & SON, WILL- IAMSPORT, PA. Scratch Feed, -----	F. W. Dawson & Son, Williamsport.	11.55	8.63	-----
6797	DAYTON MILLING COMPANY, TOWANDA, PA. Dayton's Ideal Scratch Grains, -----	Dayton Milling Company, Towanda.	10.27	10.31	8-12
5979	THE ALBERT DICKINSON CO., CHICAGO, ILL. Globe Scratch Feed, No Grit, -----	Joseph Burkholder, Hum- melstown.	10.55	12.56	10.00
6300	Globe Scratch Feed, No Grit, -----	J. A. Gault Co., Kittan- ning.	11.75	10.81	10.00
		Average, -----	11.15	11.69	-----
6599	EMPIRE MILLS, OLEAN, N. Y. No. 2 Mixed Chicken Feed, -----	C. Ditchburn's Sons, Car- bondale.	10.40	11.06	10.50 to 11.50

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
2.95	2-5	3.50	4-6	3 20	Cracked corn, buckwheat, wheat, miscellaneous seeds.	Cracked corn, buckwheat, wheat, barley, cracked peas and small amount whole weed seeds.	6764
3.98	3-5	4.25	4-6	3.60	Cracked corn, wheat, buckwheat and oats.	As certified, -----	5783
3.98	-----	2.85	-----	4 75	-----	Cracked corn, wheat, oats, barley, buckwheat, Kaffir corn, and small amount whole weed seeds.	6394
4.15	-----	3.95	-----	4 30	Cracked corn, oats, buckwheat.	Found also millet seed,	6603
3.35	3.00	2.92	3.00	4 15	Wheat, cracked corn, Kaffir corn, barley, buckwheat and sunflower.	Found also rye and small amount whole weed seeds.	5938
3.28	3.00	2.90	3.50	4 65	Yellow corn, wheat, Kaffir corn, barley, oats and buckwheat.	As certified, -----	6594
3.50	3-4	2.80	3-4	4 30	Cracked corn, clipped oats, barley, Kaffir corn, wheat, buckwheat.	Found also rye and small amount whole weed seeds.	6598
3.65	-----	2.95	-----	4 75	Cracked corn, buckwheat, wheat, sunflower seed.	As certified, -----	6319
3.48	3-6	3.03	3-5	3.10	Cracked corn, Kaffir corn, corn, buckwheat, wheat, oats, and wheat screenings.	As certified, -----	6797
3.45	2.50	3.05	5.00	4 50	Corn, wheat, Kaffir corn, buckwheat, sunflower, barley, oats, linseed oil cake.	As certified, -----	5979
3.13	2.50	2.83	5.00	4 65	Corn, wheat, Kaffir corn, buckwheat, sunflower, barley, oats, linseed oil cake.	Found also small amount small whole weed seeds.	6300
3.29	-----	2.94	-----	4 58	-----	-----	-----
3.28	2.50 to 3.50	2.42	4.00	4.30	Wheat, Kaffir corn, cracked corn, wheat, barley.	Found also oats, rye and small amount whole weed seeds.	6099

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
5906	JOHN W. ESHELMAN & SONS, LANCASTER, PA. Chick Feed, No Grit, -----	John W. Eshelman & Sons, Lancaster.	10.50	13.94	10.00
5907	Developing Feed, No Grit, -----	John W. Eshelman & Sons, Lancaster.	13.95	10.81	10.00
6487	Eshelman's Scratch Feed, No Grit,--	Edward F. Bracken, New- town Square.	10.90	10.00	10.00
6412	Eshelman's Scratch Feed, No Grit,--	Christiana Grain & Sup- ply Co., Christiana.	11.15	9.69	10.00
5909	Eshelman's Scratch Feed, No Grit,--	John W. Eshelman & Sons, Lancaster.	12.02	12.06	10.00
6510	Eshelman's Scratch Feed, No Grit,--	Pamona No. 3 Exchange, West Chester.	10.82	10.00	10.00
		Average, -----	11.22	10.44	-----
5908	Special Pigeon Feed, -----	John W. Eshelman & Sons, Lancaster.	10.77	13.94	10.00
	GIRTON & AMMERMAN, BER- WICK, PA.				
6576	Hen Food, -----	Girton & Ammerman, Ber- wick.	10.77	10.56	-----
	GLOBE ELEVATOR CO., BUF- FALO, N. Y.				
6211	Blue Ribbon Scratch Feed, -----	L. A. Fischer & Co., Bradford.	12.22	12.94	11-12
6005	Star Scratching Grains, -----	Jefferson Flour & Feed Co., Punxsutawney.	13.32	10.94	10.00
	A. C. GODSHALL & CO., INC., LANSDALE, PA.				
6479	Scratch Feed, -----	A. C. Godshall & Co., Inc., Lansdale.	10.42	11.13	8.00
	D. H. GRANDIN MILLING CO., JAMESTOWN, N. Y.				
5871	Grandin's Scratch Feed, No Grit, ----	Harrington & Wilson, Montrose.	11.62	12.94	10.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.90	3.00	2.57	3.00	4 35	Cracked wheat, cracked corn, re-cleaned grain screenings from wheat, hulled oats, Kaffir corn, flaxseed, millet, shredded wheat product, rice and milo maize.	Shredded wheat and rice not detected. Found also small amount whole weed seeds.	5906
3.95	3.00	2.50	3.00	4 40	Hulled oats, Kaffir corn, cracked corn, wheat and milo maize.	Found also buckwheat,	5907
3.73	3.00	2.95	4.00	5 00	Re-cleaned grain screenings from wheat, sunflower seed, wheat, Kaffir corn, barley, cracked corn, buckwheat, rye and oats.	Sunflower seed not detected.	6487
3.28	3.00	2.57	4.00	5 00	Re-cleaned grain screenings from wheat, sunflower seed, wheat, Kaffir corn, barley, cracked corn, buckwheat, rye and oats.	As certified, -----	6412
3.00	3.00	1.67	4.00	4 25	Cracked corn, re-cleaned grain screenings from wheat, sunflower seed, wheat, barley, Kaffir corn, buckwheat, rye and oats.	Sunflower seed not detected. Found also small amount whole weed seeds.	5909
2.80	3.00	2.50	4.00	4 00	Cracked corn, re-cleaned grain screenings from wheat, sunflower seed, wheat, barley, Kaffir corn, buckwheat, rye and oats.	Sunflower seed not detected. Found also small amount whole weed seeds.	6510
3.20	-----	2.42	-----	5 56			
3.48	3.00	3.57	4.00	4 90	Peas, millet, flaxseed, buckwheat, Kaffir, milo maize, wheat, bemp.	Found also small amount whole weed seeds.	5908
2.95	-----	2.42	-----	4.60	Cracked corn wheat, oats, buckwheat, Kaffir corn, barley.	As certified, -----	6576
3.23	3-4	3.55	3-4	4 35	Cracked corn, wheat, barley, Kaffir, oats, buckwheat, sunflower seeds, peas.	As certified, -----	6211
2.95	2.00	3.50	6.00	4 10	Cracked corn, Kaffir, wheat, barley, oats, buckwheat.	As certified, -----	6005
3.65	2.00	3.25	4.00	4 50	Wheat, cracked corn, Kaffir corn, barley, sunflower seed and buckwheat.	Sunflower seed not detected.	6479
2.56	2.50	3.37	5.00	4 00	Wheat, cracked corn, Kaffir corn, milo maize, barley, buckwheat and sunflower seed.	Found also small amount whole weed seeds.	5871

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6815	F. H. HAGERMAN, TOWANDA, PA. *Hagerman's Best of All Poultry Grain.	F. H. Hagerman, Towanda.	% 10.75	% 9.63	% 8-10
6847	HALES & HUNTER CO., CHICAGO, ILL. Morning Glory Scratch Feed with Grit and Shell.	Keystone Supply Co., Jeannette.	10.10	9.06	9.00
6180	Red Comb Scratch Feed, No Grit, --	J. A. McKelvey, Blairsville.	13.02	10.63	10.00
6469	Red Comb Scratch Feed, No Grit, --	F. M. Timlin, DuBois, ----	12.25	10.50	10.00
		Average, -----	12.63	10.57	-----
5999	THE H-O COMPANY, BUFFALO, N. Y. The H-O Co.'s Algrane Scratching Feed.	Lehman & Wolgemuth, Elizabethtown.	13.05	10.50	11.00
5836	The H-O Co.'s Algrane Scratching Feed.	G. R. Thompson, Gettysburg.	10.95	12.19	11.00
		Average, -----	12.00	11.35	-----
6526	The H-O Co.'s Medium Cracked Scratching Feed.	Clyde D. Duffee, Oil City,	12.30	10.31	11.00
6768	HONESDALE MILLING COMPANY, HONESDALE, PA. *Choice Mixed Grains for Poultry, --	Honesdale Milling Company, Honesdale.	10.15	9.06	9-10
6549	R. R. IKELER, BLOOMSBURG, PA. *Scratch Feed, -----	R. R. Ikeler, Bloomsburg,	12.02	9.38	-----
6276	JAMESTOWN ELECTRIC MILLS, JAMESTOWN, N. Y. Jem Scratch Feed, -----	R. T. Jones, North Warren.	11.20	11.06	9.00
6734	KERR MILLING CO., TITUSVILLE, PA. *Fills the Bill Scratch Grains, -----	Kerr Milling Co., Titusville.	11.25	11.13	-----
6236	CHARLES A. KRAUSE MILLING CO., MILWAUKEE, WIS. Badger Blue Top Chick Feed, -----	The G. F. Musser Co., Bellefonte.	13.25	10.94	9.00
6181	Badger Blue Top Scratch Feed, No Grit.	J. A. McKelvey, Blairsville.	13.12	10.38	9.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.18	3-5	3.82	3-5	4 10	Cracked corn, oats, wheat, barley, Kaffir corn and buckwheat.	Barley not detected,---	6815
3.27	2.00	2.78	7.00	3 25	Wheat, cracked corn, Kaffir corn, barley, oats, wild buckwheat, sunflower seed and not over 4% grit, 4% shell.	Wild buckwheat and sunflower seed not detected. Found also buckwheat and small amount whole weed seeds.	6847
3.30	2.50	2.70	5.00	4 50	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat.	As certified, -----	6180
3.20	2.50	2.80	5.00	5 00	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat.	As certified, -----	6409
3.25	-----	2.75	-----	4 75			
2.58	3.50	2.07	6.00	77 00	Wheat, oats, Kaffir corn, buckwheat, hulled oats, cracked corn, milo maize, barley, sunflower seed.	As certified, -----	5999
3.24	3.50	3.39	6.00	4 00	Wheat, oats, Kaffir corn, buckwheat, hulled oats, cracked corn, milo maize, barley, sunflower seed.	Found also small amount of whole weed seeds.	5836
2.91	-----	2.73	-----	78 50			
3.25	3.50	4.15	6.00	4 80	Wheat, oats, Kaffir corn, buckwheat, hulled oats, cracked corn, milo maize and barley.	As certified, -----	6526
3.69	3-4	2.65	2-3	3 50	Cracked corn, wheat, oats, Kaffir corn, whole corn.	Found also buckwheat,	6768
3.10	-----	2.50	-----	5 00	Wheat, cracked corn and buckwheat.	Found also small amount of whole weed seeds.	6549
3.58	3.00	3.72	6.00	4 45	Cracked corn, wheat, milo maize, Kaffir corn, oats, barley, buckwheat.	As certified, -----	6276
3.60	-----	3.85	-----	3 50	Cracked corn, wheat, oats and buckwheat.	As certified, -----	6734
2.37	2.50	1.37	5.00	4 50	Cracked wheat, cracked corn, cracked Kaffir corn, or milo and millet.	As certified, -----	6236
2.65	2.50	2.50	5.00	4 50	Corn, wheat, buckwheat, barley, oats, Kaffir corn or milo maize, sunflower.	Found also small amount small whole weed seeds.	6181

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6234	Badger Blue Top Scratch Feed, No Grit.	The G. F. Musser Co., fonte.	% 12.75	% 11.00	% 9.00
		Average, -----	12.93	10.69	-----
6235	Cream City Scratch Feed with Grit,	The G. F. Musser Co., Bellefonte.	12.92	11.75	9.00
5855	Krause Scratch Feed, No Grit, -----	J. H. Duttera, New Oxford.	12.50	12.19	9.00
6472	L. M. KRINER, DUBOIS, PA. *Superior Scratch Grains, No Grit, --	L. M. Kriner, DuBois, ----	11.07	11.00	10.00
6185	LADISH MILLING CO., MILWAUKEE, WIS. National Scratch Feed, -----	T. K. George, Homer City,	10.62	11.06	9.50
6264	Record Maker Chick Feed, No Grit,--	Leibovitz Feed Mills, Altoona.	12.58	10.50	9.50
5806	Record Maker Scratch Feed, -----	Braddock Feed & Supply House, Braddock.	11.62	12.50	9.50
6500	LANCASTER MILL & ELEVATOR CO., LANCASTER, PA. Lancaster Chick Feed, No Grit, -----	C. C. Hipple & Son, West Chester.	11.20	11.06	10.00
6499	Lancaster Scratch Feed, No Grit, ----	C. C. Hipple & Son, West Chester.	11.20	10.06	10.00
6521	J. H. LAVERY'S SONS, FRANKLIN, PA. L. M. Scratch Feed, -----	J. H. Lavery's Sons, Franklin.	11.17	10.19	10.00
6289	C. E. LLOYD, WASHINGTON COURT HOUSE, OHIO. Elko Scratch Feed, -----	L. Todd Owens, Apollo,--	12.25	11.25	10.00
6322	LYCOMING FLOUR MILLS, WILLIAMSPORT, PA. *Blue Ribbon Chick Feed, -----	Lycoming Flour Mills, Williamsport,	11.37	9.69	-----
6321	*Blue Ribbon Poultry Feed, -----	Lycoming Flour Mills, Williamsport.	11.07	8.88	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
2.50	2.50	2.17	5.00	4 40	Corn, wheat, buckwheat, harley, oats, Kaffir corn or milo maize, sunflower.	As certified, -----	6234
2.58	-----	2.33	-----	4 45			
2.40	2.50	1.90	5.00	4 25	Corn, wheat, huckwheat, harley, oats, Kaffir corn, wheat screenings and grit.	As certified, -----	6235
2.98	2.50	4.33	5.00	4 50	Cracked corn, Kaffir corn or milo maize, barley, oats, huckwheat, sunflower.	Found also small amount small whole weed seeds.	5855
3.03	3.00	3.87	5.00	5 00	Cracked corn, Kaffir corn, harley and huckwheat.	Found also oats, -----	6472
3.03	2.00	3.50	5.00	4 75	Cracked corn, wheat, harley, Kaffir corn, cracked milo maize, oats, huckwheat.	As certified, -----	6185
3.63	2.50	2.17	5.00	5 00	Cracked corn, cracked wheat, cracked Kaffir or milo maize, millet seed.	As certified, -----	6264
3.19	2.50	3.15	5.00	75 25	Cracked corn, wheat, barley, Kaffir corn, cracked milo maize, oats, buckwheat, sunflower seed.	Found also rye, -----	5806
4.58	3.00	2.32	3.00	4 75	Cracked wheat, cracked corn, re-cleaned grain screenings from wheat, hulled oats, Kaffir corn, flaxseed, millet, shredded wheat product, rice and milo maize.	Rice not detected Found also small amount small whole weed seeds.	6500
3.03	3.00	2.50	4.00	4 75	Cracked corn, re-cleaned grain screenings from wheat, sunflower seed, wheat, harley, Kaffir corn, rye, huckwheat and oats.	Found also small amount whole weed seeds.	6490
3.10	3.00	3.12	4.00	85 00	Wheat, cracked corn, barley, Kaffir corn, huckwheat and sunflower seed.	As certified, -----	6521
3.70	2.50	2.57	5.00	5 25	Corn, wheat, Kaffir corn or milo maize, huckwheat, sunflower seed.	As certified, -----	6289
2.05	-----	1.87	-----	4 50	Cracked corn, cracked wheat, cracked Kaffir corn and millet.	As certified, -----	6322
3.23	-----	2.12	-----	4 25	Cracked corn, wheat, huckwheat, oats and milo.	As certified, -----	6321

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
	C. P. MATTHEWS & SONS, INC., SCRANTON, PA.				
6612	Best Mixed Grain For Chickens,----	C. P. Matthews & Sons, Inc., Scranton.	% 8.87	% 12.13	% 8-9
6436	Best Mixed Grain For Chickens,----	C. P. Matthews & Sons, Inc., Wilkes-Barre.	11.05	9.88	8-9
6442	Clark Brothers High Grade Poultry Food.	Average, ----- C. P. Matthews & Sons, Inc., Wilkes-Barre.	9.96 9.95	11.01 9.56	----- 8-9
6440	Pure Mixed Grain For Poultry,----	C. P. Matthews & Sons, Inc., Wilkes-Barre.	10.60	11.69	-----
	MAUSDALE ROLLER MILLS, MAUSDALE, PA.				
6116	*Blue Ribbon Quality Poultry Feed, No Grit.	Mausdale Roller Mills, Mausdale.	12.70	10.50	7.00
	MAUSER MILL CO., NORTHAMP- TON, PA.				
6475	Mauser's Chick Food, -----	A. C. Godshall & Co., Inc., Lansdale.	12.17	10.63	9-10
	MINER-HILLARD MILLING CO., WILKEKS-BARRE, PA.				
6751	Mixed Chicken Feed, -----	Miner-Hillard Milling Co., Plymouth.	10.82	11.00	8.00
6752	No. 1, Scratch Feed, -----	Miner-Hillard Milling Co., Plymouth.	10.85	10.94	-----
6445	No. 1 Scratch Feed, -----	Miner-Hillard Milling Co., Wilkes-Barre.	12.40	10.63	8.00
	NOWAK MILLING CORPORATION, BUFFALO, N. Y.				
6335	Domino Formerly Justice Develop- ing Feed.	O. S. Ebersole, Penbrook,	11.85	10.88	10.00
6336	Fidelity Scratch Feed, -----	O. S. Ebersole, Penbrook,	11.00	10.00	10-12
6339	Justice Scratch Feed, -----	O. S. Ebersole, Penbrook,	12.00	10.38	10-12
		Average, -----	11.62	10.79	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Found.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Fat.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.38	2-3	3.62	4-5	4 10	Kaffir corn, buckwheat grains, wheat, cracked corn, oats, barley.	Found also small amount rye and small amount whole weed seeds.	6612
3.35	2-3	2.85	4-5	4 50	Kaffir corn, buckwheat grains, wheat, cracked corn, oats, barley, sunflower seeds, grit.	Sunflower seed not detected. Found also oyster shell and limestone grit.	6436
3.37 3.05	----- 2-3	3.23 2.95	----- 4-5	4 30 4 50	Kaffir corn, buckwheat grains, wheat, cracked corn, oyster shells, field peas, and sunflower seeds.	Sunflower seed, field peas and oyster shells not detected. Found also rye, oats, barley, limestone grit and small amount whole weed seeds.	6442
3.65	-----	4.25	-----	4 70	-----	Cracked corn, wheat, oats, rye, barley, buckwheat, Kaffir corn, flaxseed and small amount whole weed seeds.	6440
3.58	2.00	4.67	7.00	4 00	Cracked corn, wheat, barley, buckwheat and sunflower seed.	Found also oats, ----	6116
3.90	2-3	2.20	3-4	5 75	Cracked corn, cracked Kaffir corn, cracked wheat, hulled oats, millet seed, alfalfa meal.	Alfalfa meal not detected. Found also small amount whole weed seeds.	6475
4.03	2.00	2.62	4.00	3 20	Coarse hominy, Kaffir corn, buckwheat grain, wheat, cracked corn, grit, cracked peas, sunflower seed, barley, milo maize.	Cracked peas not detected. Found also small amount whole weed seeds.	6751
3.42	-----	2.87	-----	3 40	Made from pure grain,--	Cracked corn, wheat, oats, barley, buckwheat, Kaffir corn, cracked peas and sunflower seed.	6752
2.93	2.00	2.60	4.00	4.70	Cracked corn, buckwheat grain, barley, Kaffir corn, wheat, cracked peas, sunflower seed, coarse hominy.	As certified, -----	6445
3.18 2.68	----- 3.00	2.73 2.72	----- 5.00	4.05 5 00	Sunflower, cracked peas, buckwheat, milo maize, wheat, cracked corn.	Sunflower seed not detected.	6335
3.50	3.00	2.55	5.00	4 85	Cracked corn, whole wheat, milo maize, whole barley, buckwheat, sunflower seeds.	As certified, -----	6336
3.08	3.00	2.50	5.00	4.85	Cracked corn, barley, buckwheat.	Cracked corn, oats, barley, wheat, buckwheat, cracked peas, Kaffir corn and sunflower seed.	6339

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6340	Marathon Scratch Feed, ----- THE PARK & POLLARD CO., BOSTON, MASS., AND CHICA- GO, ILL.	O. S. Ebersole, Penbrook,	% 11.90	% 10.50	% 10-11
6256	Baby Buster Chick Feed, -----	P. D. Schnably, Bedford,	12.60	13.94	11.00
6255	Intermediate Chick Feed, -----	P. D. Schnably, Bedford,	12.75	10.19	10.00
6241	Pontiac Scratch Feed, -----	Lauderbach-Zerbey Co., Bellefonte.	10.95	13.00	10.00
6257	Red Ribbon Chick Feed, -----	P. D. Schnably, Bedford,	12.75	10.31	10.00
6187	Screened Scratch Feed, -----	T. K. George, Homer City,	12.57	11.63	10.00
6640	Screened Scratch Feed, -----	J. M. Porter, Sharon, ---	10.00	10.06	10.00
5780	Screened Scratch Feed, -----	A. Skelly, Ebensburg, ---	12.87	13.75	10.00
		Average, -----	11.81	11.81	-----
6570	PHILADELPHIA SEED COMPANY, INC., PHILLADELPHIA, PA. No. 2 "Purgrain" Scratch Chick De- veloper.	Ash Brothers, Briar Creek,	10.70	11.50	10-11
6290	PRAIRIE STATE MILLING CO., CHICAGO, ILL. Prairie State Chick Feed, -----	L. Todd Owens, Apollo,--	12.82	10.63	10.00
6476	THE QUAKER OATS CO., CHI- CAGO, ILL. *Ful-O-Pep Chick Feed, -----	A. C. Godshall & Co., Inc., Lansdale.	10.37	14.13	14.00
6462	Ful-O-Pep Scratch Grains, -----	A. C. Snyder & Son, Clarion.	11.25	10.00	10.00
6240	*Pansy Little Chick Feed with 1% Poultry Charcoal.	Lauderbach-Zerby Co., --- Bellefonte.	11.85	12.44	10.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.60	3.00	2.22	5.00	4 75	Wheat, cracked corn, maize, buckwheat.	Found also barley and oats.	6340
3.43	2.00	1.77	5.00	5 50	Cracked corn, wheat, Kafir corn, milo, whole millet seed, oats and shredded fish.	As certified, -----	6256
2.95	3.50	3.30	5.00	5 00	Cracked corn, wheat, buckwheat, oats, millet, Kafir corn and milo.	As certified, -----	6255
3.43	1.50	3.95	5.00	4 10	Cracked corn, wheat, barley, buckwheat, oats, Kafir corn and milo.	As certified, -----	6241
2.93	2.00	1.60	5.00	5.25	Cracked corn, wheat, oats, Kafir corn, milo and whole millet seed.	As certified, -----	6257
3.18	1.50	2.66	5.00	5 00	Cracked corn, wheat, buckwheat, barley, oats, Kafir corn, milo and sunflower seed.	Sunflower seed not detected.	6187
3.18	1.50	2.75	5.00	4 75	Cracked corn, wheat, buckwheat, barley, oats, Kafir corn, milo and sunflower seed.	Found also small amount whole weed seeds.	6440
3.82	1.50	3.05	5.00	4 25	Cracked corn, wheat, buckwheat, barley, oats, Kafir corn, milo and sunflower seed.	As certified, -----	5780
3.39	-----	2.82	-----	4 67			
3.13	3-4	2.82	3-4	6 00	Whole wheat, hulled oats, Kafir, rice and millet.	As certified, -----	6570
3.30	2.50	1.90	5.00	6 00	Cracked wheat, cracked corn, cracked Kafir corn, millet seed.	As certified, -----	6290
4.40	3.50	1.22	3.00	6 25	Cracked wheat, fish meal and cracked Indian corn.	Found also oats, -----	6476
2.03	2.50	2.90	5.50	6 00	Whole wheat, whole barley, whole Kafir or milo, cracked Indian corn, whole buckwheat, $\frac{1}{2}$ of 1% sunflower seed.	Found also small amount whole weed seeds.	6462
3.83	2.50	1.55	5.00	4 35	Cracked wheat, cracked Kafir and milo, cracked Indian corn, whole millet seed, oatmeal, wild buckwheat with not to exceed $\frac{1}{2}$ of 1% miscellaneous wild seeds occurring in the above seeds and grains, charcoal.	Found also large amount small whole weed seeds.	6240

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled at	Moisture.	Protein.	
				Found.	Guaranteed.
5888	Pansy Scratch Grains, No Grit, ----	Hardy & Porter, Dunbar,	% 12.40	% 10.81	% 10.00
6239	Pansy Scratch Grains, No. Grit, ----	Lauderbach-Zerby Co., Bellefonte.	12.47	14.06	10.00
6418	*Schumacher Little Chick Feed, No Grit.	Average, ----- Emporium Milling Co., Emporium.	12.43 12.42	12.44 11.06	----- 10.00
6342	*Schumacher Little Chick Feed, No Grit.	Keystone Mills Co., Fred-ericktown.	11.50	10.00	10.00
6439	*Schumacher Little Chick Feed, No Grit.	C. P. Matthews & Sons, Inc., Wilkes-Barre.	12.05	10.81	10.00
6176	*Schumacher Little Chick Feed, No Grit.	George J. New's Sons, Blairsville.	12.90	11.56	10.00
6262	Schumacher Scratch Grains, -----	Average, ----- Davidson Brothers, Bedford.	12.22 12.25	10.86 10.19	----- 10.00
6597	Schumacher Scratch Grains, -----	C. Ditchburn's Sons, Carbondale.	12.00	9.94	10.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
2.05	2.50	1.57	5.00	4 25	Whole wheat, whole oats, whole Kafir and milo, whole buckwheat, $\frac{1}{2}$ of 1% sunflower seeds, cracked Indian corn, whole barley.	Found also small amount whole weed seeds.	5888
1.70	2.50	1.67	5.00	4 10	Whole wheat, whole oats, whole Kafir and milo, whole buckwheat, $\frac{1}{2}$ of 1% sunflower seeds, cracked Indian corn, whole barley.	Sunflower seed not detected.	6239
1.88 4.13	----- 2.50	1.62 2.37	----- 5.00	4 18 6 00	Cracked wheat, cracked Kafir and milo, cracked Indian corn, whole millet seed, oatmeal, wild buckwheat with not to exceed $\frac{1}{2}$ of 1% miscellaneous wild seeds occurring in the above seeds and grains, charcoal.	Found also flaxseed and large amount whole weed seeds.	6418
3.45	2.50	2.22	5.00	5 00	Cracked wheat, cracked Kafir and milo, cracked Indian corn, whole millet seed, oatmeal, wild buckwheat with not to exceed $\frac{1}{2}$ of 1% miscellaneous wild seeds occurring in the above seeds and grains, charcoal.	Found also large amount small whole weed seeds.	6342
3.15	2.50	2.30	5.00	5 00	Cracked wheat, cracked Kafir and milo, cracked Indian corn, whole millet seed, oatmeal, wild buckwheat with not to exceed $\frac{1}{2}$ of 1% miscellaneous wild seeds occurring in the above seeds and grains, charcoal.	Found also large amount whole weed seeds.	6439
4.43	2.50	2.40	5.00	5 75	Cracked wheat, cracked Kafir and milo, cracked Indian corn, whole millet seed, oatmeal, wild buckwheat with not to exceed $\frac{1}{2}$ of 1% miscellaneous wild seeds occurring in the above seeds and grains, charcoal.	Found also large amount small whole weed seeds.	6176
3.79	-----	2.32	-----	5 44			
2.03	2.50	2.17	5.00	4 50	Whole wheat, whole Kafir and milo, whole barley, cracked Indian corn, whole buckwheat, $\frac{1}{2}$ of 1% sunflower seeds.	Found also small amount whole weed seeds.	6262
2.18	2.50	1.95	5.00	4 30	Whole wheat, whole Kafir and milo, whole barley, cracked Indian corn, whole buckwheat, $\frac{1}{2}$ of 1% sunflower seeds.	Found also small amount small whole weed seeds.	6597

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6762	Schumacher Scratch Grains, -----	Gibbs Milling Company, Nanticoke.	% 9.82	% 10.94	% 10.00
5982	Schumacher Scratch Grains, -----	The Goldsboro Pure Feed Co., Goldsboro.	11.75	11.56	10.00
6713	Schumacher Scratch Grains, -----	Waynesburg Milling Company, Waynesburg.	11.20	11.81	10.00
		Average, -----	11.40	10.89	-----
6225	RALSTON PURINA CO., INC., ST. LOUIS, MO. Purina Chick Feed, -----	E. E. Wentz, Lock Haven,	12.20	13.25	10.00
6772	Purina Hen Chow Scratch Feed, ----	Honesdale Milling Co., Honesdale.	8.87	11.75	10.60
6337	Purina Scratch Feed, -----	O. S. Ebersole, Penbrook,	12.25	10.94	10.00
6043	Purina Scratch Feed, -----	The Irwin Muir Co., Brad-dock.	12.07	11.63	10.00
6280	Purina Scratch Feed, -----	Chas. O. Salberg, Ridg-way.	11.80	10.13	10.00
		Average, -----	12.04	10.90	-----
6719	ROSENBAUM BROTHERS, CHI- CAGO, ILL. *Advance Scratch Feed with Grit,--	Western Flour Co., Char-leroi.	8.87	10.50	10.00
6718	77 Scratch Feed, No. Grit, -----	Western Flour Co., Char-leroi.	10.97	10.94	10.00
6720	77 Scratch Feed with Grit, -----	Western Flour Co., Char-leroi.	10.02	9.69	9.00
6497	Will-Pay Chick Scratch, No Grit,--	J. L. Moore, Llanerch,---	11.60	11.25	10.00
5936	SAGINAW MILLING CO., SAGI- NAW, MICH. *Ogemaw AA Pigeon Feed, -----	The I. W. Scott Co., Pittsburgh.	12.30	15.00	14.00
6066	SHANE BROTHERS & WILSON, PHILADELPHIA, PA. Millbourne Scratch Feed, No Grit, --	V. E. Bond Estate, Up-per Darby.	12.12	11.88	10.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.61	2.50	3.30	5.00	3 50	Whole wheat, whole Kaffir and milo, whole barley, cracked Indian corn, whole buckwheat, $\frac{1}{2}$ of 1% sunflower seeds.	Found also oats and small amount small whole weed seeds.	6762
1.88	2.50	2.00	5.00	80 00	Whole wheat, whole Kaffir and milo, whole barley, cracked Indian corn, whole buckwheat, $\frac{1}{2}$ of 1% sunflower seeds.	sunflower seed not detected. Found also small amount whole weed seeds.	5982
2.20	2.50	2.20	5.00	4 00	Whole wheat, whole Kaffir and milo, whole barley, cracked Indian corn, whole buckwheat, $\frac{1}{2}$ of 1% sunflower seeds.	As certified, -----	6713
2.38	-----	2.32	-----	81 20			
2.85	2.50	2.05	5.00	5 50	Wheat, corn, Kaffir, milo and millet.	Found also crushed oats.	6225
3.23	2.50	2.52	4.00	4 00	Wheat, corn, barley, Kaffir, milo, buckwheat and sunflower.	As certified, -----	6772
2.85	2.50	2.50	4.00	4 85	Wheat, corn, barley, Kaffir, milo, buckwheat and sunflower.	Sunflower seed not detected.	6337
3.20	2.50	3.67	5.00	4 25	Wheat, corn, barley, Kaffir corn, buckwheat and sunflower.	As certified, -----	6043
3.13	2.50	2.85	4.00	4.90	Wheat, corn, barley, Kaffir milo, buckwheat and sunflower	Found also millet seed,	6280
3.06	-----	3.00	-----	4 67			
3.95	2.50	3.28	6.00	3 25	Sifted cracked corn, wheat, barley, oats, Kaffir, wild buckwheat, buckwheat,	Found also large amount whole weed seeds.	6719
4.03	2.00	2.75	7.00	3 80	Wheat, sifted cracked corn, Kaffir, barley, oats and buckwheat.	As certified, -----	6718
3.66	2.00	2.52	7.00	3 40	Wheat, sifted cracked corn, Kaffir, barley, oats, buckwheat and grit.	Found also small amount whole weed seeds.	6720
2.78	2.50	1.92	5.00	5 00	Cracked wheat, sifted cracked corn, cracked Kaffir corn, millet seed.	As certified, -----	6497
2.50	2.30	3.27	4.00	5 50	Peas, wheat Kaffir corn, hemp, buckwheat, millet and corn.	Hemp seed not detected.	5936
3.25	3.00	2.87	4.00	4 50	Cracked corn, re-cleaned grain screenings from wheat, sunflower seed, wheat, barley, Kaffir corn, buckwheat, rye and oats.	Sunflower seed not detected. Found also small amount whole weed seeds.	6066

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
			%	%	%
6356	SPANOGLE-YEAGER MILLING CO. LEWISTOWN, PA. Mt. Rock Mills Scratch Feed, -----	Spanogle - Yeager Milling Lewistown.	11.25	10.44	-----
5932	THE TOLEDO GRAIN & MILLING CO., TOLEDO, OHIO. Camp's Red Ball Chick Food, ----	Richey & McFarland, Carnegie.	11.45	12.81	10.00
6260	Camp's Red Ball Scratch Feed, ----	H. H. Lysinger & Son, Bedford.	11.97	10.19	10.60
5929	Camp's Red Ball Scratch Feed, ----	Richey & McFarland, Carnegie.	11.50	12.06	10.00
		Average, -----	11.73	11.13	-----
6461	Clover Leaf Scratch Feed, -----	Kline's Sifter Mills, Brok- ville.	11.27	10.13	10.60
5795	C. B. TYLER, MESHOPPEN, PA. *Red Hen Mixed Chicken Grains, ----	C. B. Tyler, Tunkhan- nock.	12.77	11.88	11.13
6563	THE WHITE MILLING CO., BLOOMSBURG, PA. *Chick Food, -----	The White Milling Co., Bloomsburg.	11.15	8.75	-----
6562	*Hen Food, -----	The White Milling Co., Bloomsburg.	11.95	10.00	-----
	MASH FEED.				
6014	ACME-EVANS CO., INDIANAPOLIS, IND. Dry Mash, -----	Crescent Flour & Feed Co., Punxsutawney.	10.75	15.00	15.50
6664	ANDERSON BROTHERS CO., YORK, PA. A. B. C. Laying Mash, -----	Anderson Brothers Co., York.	8.90	19.44	18.00
6663	Buttermilk Chick Mash, -----	Anderson Brothers Co., York.	12.32	16.50	15.00
6665	Buttermilk Laying Mash, -----	Anderson Brothers Co., York.	11.15	15.94	15.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.28	-----	2.60	-----	4 60	Wheat, cracked corn, oats, Kaffir corn, buckwheat, barley.	Found also small amount whole weed seeds.	6356
3.65	2.50	2.12	5.00	5 00	Cracked corn, Kaffir corn, cracked winter wheat, old style cut oatmeal, millet seed, sprinkling of flaxseed, oyster shells, charcoal and grit.	Found also small amount whole weed seeds.	5932
3.18	2.00	2.80	5.00	4 50	Cracked corn, whole wheat, Kaffir corn, barley, oats, buckwheat, sunflower seed.	Sunflower seed not detected.	6260
2.85	2.50	2.80	5.00	4 50	Cracked corn, whole wheat, Kaffir corn, barley, oats, buckwheat, sunflower seed.	Found also small amount whole weed seeds.	5929
3.02	-----	2.80	-----	4 50			
3.08	2.50	2.65	5.00	4 20	Cracked corn, whole wheat, Kaffir corn, barley, oats and buckwheat.	Found also rye and small amount whole weed seeds.	6461
3.21	2-3	3.66	-----	4 00	Wheat, corn, barley, buckwheat, Kaffir corn.	Found also rye, -----	5795
3.15	-----	1.67	-----	5.00	Cracked wheat, cracked corn, Kaffir corn, millet.	Millet seed not detected,	6563
3.15	-----	2.37	-----	4 50	Cracked corn, wheat, screenings, buckwheat, Kaffir corn, barley.	As certified, -----	6562
4.50	3.50	7.37	7.00	4 20	Wheat bran, wheat middlings, cornmeal, hominy meal, alfalfa meal, beef scraps, oil meal, oats and charcoal.	As certified, -----	6014
6.00	4.50	6.17	7.00	4 15	Wheat bran, wheat middlings, gluten, oil meal, alfalfa meal, corn chop, oats chop, meat scrap and fish scrap.	As certified, -----	6664
4.10	4.50	6.37	7.00	4 35	Ground oats, cornmeal, wheat middlings, wheat bran, meat scrap, bone meal, charcoal, semi-solid buttermilk.	As certified, Musty and mouldy.	6663
2.90	4.00	8.45	7.00	4 25	Cornmeal, oats chop, wheat bran, wheat middlings, gluten meal, meat scrap, charcoal, semi-solid buttermilk.	As certified, Musty and mouldy.	6605

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6250	BARKER, MOORE & MEIN MEDICINE CO., PHILADELPHIA, PA. *Barker's Chick Feed, -----	John Read & Sons, Huntingdon.	% 8.97	% 14.69	% 14.97
6347	BLANK & GOTTSHALL, SUNBURY, PA. B. & G's Mash Food, -----	H. C. Jackson Supply Co., Lewistown.	9.35	12.19	15.00
6045	BLATCHFORD CALF MEAL CO., WAUKEGAN, ILL. *Blatchford's Bar Non Laying Mash,	The Irwin Muir Co., Brad-dock.	7.80	23.25	20.00
6008	Blatchford's "Fill-The-Basket" Egg Mash.	Mahoning Valley Milling Co., Punxsutawney.	8.05	23.31	19.00
6062	Blatchford's Mill Mash, -----	A. H. Klugh, New Kensington.	9.82	22.50	20.00
6825	J. BOLGIANO & SON, BALTIMORE, MD. *Square Deal Buttermilk Mash, -----	Duncannon Flouring Mill Co., Duncannon.	8.62	19.81	18.00

*Not Registered.

†Excluded from Average.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
3.73	3.88	8.42	8.07	140c per pkg.	Bran, middlings, cornmeal, alfalfa, oats and bread crumbs.	As certified, -----	6250
3.35	3.00	4.27	5.00	5 00	Cornmeal, middlings, bran, gluten meal, pea meal, alfalfa meal, fish scrap, meat meal.	As certified, -----	6347
5.00	5.00	9.62	8.00	4 35	Meat scrap, fish scrap, wheat bran, alfalfa meal, barley meal, cottonseed meal, corn feed meal, cocoanut meal, cocoa shells, bone meal, oatmeal, powdered limestone and salt.	Meat scrap and fish scrap not detected	6045
4.93	4.00	7.70	10.00	4 75	Blatchford's calf meal (locust bean meal, unpressed flaxseed, wheat, wheat flour, rice polish, blood flour, barley and malt sprout meal, ground beans and peas, old process oil meal, cocoa shell meal, cocoanut meal, re-cleaned cottonseed meal, foenugreek, dried milk, anise and salt), also alfalfa, bone, corn and oat-meals, wheat bran, wheat middlings, meat scraps, fish, capsicum and powdered limestone.	Locust bean meal not detected.	6008
4.73	4.00	5.22	7.50	5 25	Blatchford's calf meal (locust bean meal, unpressed flaxseed, wheat flour, barley and malt sprout meal, blood flour, ground beans and peas, rice polish, O. P. oil meal, cocoa shell meal, cocoanut meal, re-cleaned cottonseed meal, foenugreek, dried milk, anise and salt), also bone, corn and oat-meals, wheat middlings, meat scraps, fish and powdered limestone.	Malt sprout meal and locust bean meal not detected. Found also trace of rice hulls.	6062
5.43	2.00	7.39	10.00	4 50	Bran, fish meal, heef scraps, ground oats, cornmeal, flour middlings, alfalfa meal, Heneta grit and buttermilk.	Buttermilk not detected. Found also corn gluten feed, buckwheat middlings and small amount small whole weed seeds.	6825

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled from	Moisture.	Protein.	
				Found.	Guaranteed.
6765	BROADWAY MILLS, BERGIN & COMPANY, NANTICOKE, PA. *Egg Mash, -----	Broadway Mills, Bergin & Company, Nanticoke.	% 8.80	% 17.19	% 12-14
5784	BROWN & FASSETT, TUNKHAN-NOCK, PA. *Favorite Dry Mash, -----	Brown & Fassett, Tunkhannock.	9.17	20.00	18-20
6214	CLOVER LEAF MILLING CO., BUFFALO, N. Y. Clover Leaf Mills Egg Mash, -----	L. A. Fischer & Co., Bradford.	9.40	19.38	18.00
6537	THE G. E. CONKEY CO., CLEVELAND, OHIO. Conkey's Buttermilk Growing Mash,	Abram Hostetler, Scalp Level.	6.20	16.81	18.00
6027	Conkey's Buttermilk Meat and Grain Laying Mash.	J. R. Anderson, Beaver Falls.	9.75	19.50	18.00
6538	Conkey's Buttermilk Meat and Grain Laying Mash.	Abram Hostetler, Scalp Level.	10.87	16.25	18.00
6536	Average, ----- Conkey's Buttermilk Starting Feed.	Abram Hostetler, Scalp Level.	10.31	17.88	----- 12.66
6946	Conkey's Buttermilk Starting Feed,	The Irwin Muir Co., Brad-dock.	10.10	14.88	12.00
6031	Conkey's Buttermilk Starting Feed.	Rochester Seed & Supply Co., Rochester.	10.87	13.75	12.00
6397	Average, ----- THE CORNO MILLS CO., ST. LOUIS, MO. Corno Laying Mash, -----	W. W. Davidson & Son, Ellwood City.	10.48	13.29	----- 20.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.20	3-4	6.87	4-6	3 30	Low grade flour, wheat middlings, wheat bran, ground oats, cornmeal, beef scraps, charcoal and salt.	As certified. Low grade flour lumpy from dampness.	6705
4.89	5-7	8.56	7-9	3 60	Bran, middlings, cornmeal, ground oats, beef scrap, alfalfa meal, gluten, oil meal, charcoal and salt.	As certified, -----	5784
5.53	4.00	8.27	12.00	4 50	Linseed meal, oat middlings, meat meal, corn feed meal, wheat bran and wheat middlings, alfalfa meal, $\frac{1}{2}$ of 1% fine table salt.	As certified, -----	6214
4.25	4.00	6.15	5.00	5 25	Buttermilk, wheat middlings, wheat bran, corn feed meal, ground barley, hulled oats, bone, meat scraps, bone meal and oil meal.	As certified, -----	6537
5.83	4.00	5.07	6.00	4 50	Cornmeal, corn feed meal, wheat bran, wheat middlings, meat scrap, oil meal, dried buttermilk, bone meal, ground barley and ground oats.	As certified, -----	6027
4.10	4.00	4.95	6.00	5 00	Buttermilk, cornmeal, corn feed meal, ground barley, bean meal, wheat bran, wheat middlings, oil meal, bone and meat scraps.	As certified, -----	6538
4.97	-----	5.01	-----	4 75			
3.40	3.00	4.25	4.00	6 00	Hulled oats, wheat middlings, cornmeal, corn feed meal, buttermilk and bone.	As certified, -----	6536
5.65	3.00	2.92	4.00	7 10	Hulled oats, wheat middlings, cornmeal, corn feed meal, buttermilk and bone.	Bone not detected, ----	6046
5.65	3.00	3.55	4.00	6 50	Hulled oats, wheat middlings, cornmeal, corn feed meal, buttermilk and bone.	Bone and buttermilk not detected.	6031
4.90	-----	3.57	-----	6 53			
5.70	4.75	7.30	9.00	5 50	Cornmeal, oatmeal, choice alfalfa meal, wheat bran, linseed meal, meat scraps and 1% charcoal.	Found also millet seed,	6397

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6796	DAYTON MILLING COMPANY, TOWANDA, PA. Dayton's Laying Mash, -----	Dayton Milling Company, Towanda.	% 9.30	% 20.56	% 12-15
5980	THE ALBERT DICKINSON CO., CHICAGO, ILL. Globe Egg Mash, -----	Joseph Burkholder, Hum- melstown.	9.70	23.75	20.00
6224	F. H. DYER, LOCK HAVEN, PA. *Dyer's Dry Mash, -----	F. H. Dyer, Lock Haven,	7.82	21.13	19.38
6385	ELMER EBY, LITITZ, PA. Poultry Mash, -----	Elmer Eby, Lititz, -----	9.50	20.81	20.00
6488	JOHN W. ESHELMAN & SONS, LANCASTER, PA. Growing Mash, -----	Edward F. Bracken, New- town Square.	10.75	21.75	18.00
5905	Growing Mash, -----	John W. Eshelman & Sons, Lancaster.	9.25	25.81	18.00
6407	Laying Mash, -----	Average, ----- Brown & Rea, Atglen, ----	10.00 10.25	33.78 20.56	----- 20.00
5854	Laying Mash, -----	John H. Duttera, New Ox- ford.	9.92	24.50	20.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.64	3-5	6.50	6-9	3 20	Gluten, middlings, corn meal, bran, ground oats, oil meal, alfalfa, buckwheat middlings and meat scrap.	As certified. Oil meal identified as linseed oil meal and bran and middlings as wheat offals.	6796
4.98	5.00	8.42	10.00	4 50	Wheat bran, wheat middlings, alfalfa meal, ground corn bran, corn feed meal, linseed oil meal, meat scraps, salt $\frac{1}{2}$ of 1%.	As certified, -----	5980
5.55	5.00	9.32	7.68	4 75	Corn and oats chop, wheat bran, alfalfa, oil meal, gluten meal, beef scraps and bone meal.	As certified. Oil meal identified as linseed oil meal.	6224
5.63	5.00	10.20	12.00	4 00	Bran, middlings and shorts from wheat, gluten, alfalfa meal, beef scraps and rolled oats.	As certified, -----	6385
4.03	5.00	5.75	8.00	5 00	Beef scrap, gluten meal, cottonseed meal, oil cake meal, alfalfa meal, wheat bran, wheat middlings, corn meal, ground grain screenings, oats chop and hominy feed.	As certified, -----	6488
7.38	5.00	6.07	8.00	4 15	Cottonseed meal, gluten feed, oil cake meal, alfalfa meal, wheat bran, wheat middlings, corn chop meal, ground grain screenings, oat chop, hominy feed and ground barley.	As certified, -----	5905
5.71	-----	5.91	-----	4 58			
6.10	5.00	4.60	7.00	4 75	Corn gluten feed, cottonseed meal, wheat bran, old process oil meal, oats chop, ground barley, alfalfa meal, wheat middlings, corn feed meal, re-ground grain screenings, hominy feed and 20% beef and fish scrap.	As certified, -----	6407
6.25	5.00	4.99	7.00	4 50	20% beef and fish scrap, cottonseed meal, gluten feed, oil cake meal, ground grain screenings, wheat bran, wheat middlings, corn feed meal, oats chop, alfalfa meal, hominy feed, ground barley.	As certified, -----	5854

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
5897	Laying Mash, -----	John W. Eshelman & Sons, Lancaster.	% 11.05	% 21.25	% 20.00
		Average, -----	10.40	22.10	-----
6575	GIRTON & AMMERMAN, BER- WICK, PA. Dry Mash, -----	Girton & Ammerman, Berwick.	9.57	22.16	-----
6190	GLOBE ELEVATOR CO., BUF- FALO, N. Y. Blue Ribbon Growing Mash, -----	Henry S. Beidler, Doyles- town.	9.07	23.63	16.00
6213	Blue Ribbon Laying Mash, -----	L. A. Fischer & Co., Bradford.	9.42	22.38	20.00
6003	Blue Ribbon Laying Mash, -----	Jefferson Flour & Feed Co., Punxsutawney.	7.95	20.69	20.00
		Average, -----	8.68	21.54	-----
6478	A. C. GODSHALL & CO., INC., LANSDALE, PA. Dry Mash, -----	A. C. Godshall & Co., Inc., Lansdale.	8.22	17.81	12.00
6589	HALES & HUNTER CO., CHI- CAGO, ILL. Red Comb Chick Mash with Dried Buttermilk.	Russell Brothers, Wash- ington.	11.12	16.69	16.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.63	5.00	4.87	7.00	4 25	20% beef and fish scrap, corn gluten feed, corn feed meal, cottonseed meal, old process oil meal, alfalfa meal, wheat bran, wheat middlings, reground grain screenings, oats chop, hominy feed, ground barley.	As certified, -----	5897
5.99	-----	4.82	-----	4 50			
5.05	-----	8.39	-----	4.90	Corn chop, oats chop, wheat bran, wheat middlings, alfalfa, beef scrap.	As certified, -----	6575
5.23	3.00	6.35	5.00	4 75	Wheat bran, wheat middlings, corn meal, corn gluten meal, ground oats, meat meal, ground bone.	As certified, -----	6190
4.05	3.00	8.00	10.00	4 50	Wheat bran and wheat middlings (containing mill run ground screenings), red dog flour, corn meal, corn gluten feed, linseed oil meal, ground alfalfa, ground oats, meat meal, ground bone, pea meal and salt $\frac{3}{4}$ of 1%.	As certified, -----	6213
4.45	3.00	7.35	10.00	4 35	Wheat bran and wheat middlings (containing mill run ground screenings), red dog flour, corn meal, corn gluten feed, linseed oil meal, ground alfalfa, ground oats, meat meal, ground bone, pea meal and salt $\frac{3}{4}$ of 1%.	As certified, -----	6003
4.25	-----	7.67	-----	4 43			
4.18	2.00	12.52	9.00	4 25	Oats chop, gluten feed, middlings, ground corn, wheat bran, oil meal, meat meal and alfalfa meal.	As certified, -----	6478
4.20	4.00	5.50	5.00	5 50	Corn feed meal, oat flour, barley flour, wheat middlings, corn gluten feed, meat scraps, bone flour, alfalfa flour, dried buttermilk, calcium carbonate and salt.	As certified, -----	6589

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6203	Red Comb Chick Mash with Dried Buttermilk.	Smith Brothers, Bradford,	% 10.17	% 18.94	% 16.00
		Average, -----	10.64	17.82	-----
6588	Red Comb Egg Mash with Dried Buttermilk.	Russell Brothers, Washington.	10.10	18.00	15.00
	HANDWORK BROTHERS, COATESVILLE, PA.				
6146	Dry Mash, -----	Handwork Bros., Coatesville.	9.30	19.19	-----
	THE H-O COMPANY, BUFFALO, N. Y.				
6525	The H-O Co.'s Laying Mash, -----	Clyde D. Duffee, Oil City,	10.15	18.31	17.00
6038	The H-O Co.'s Laying Mash, -----	Excelsior Flour & Feed Co., Freedom.	8.52	21.13	17.00
5835	The H-O Co.'s Laying Mash, -----	G. R. Thompson, Gettysburg.	8.37	21.88	17.00
		Average, -----	9.01	20.44	-----
6212	The H-O Co.'s Steam Cooked Chick Feed.	L. A. Fischer & Co., Bradford.	12.37	12.81	12.00
5833	The H-O Co.'s Steam Cooked Chick Feed.	G. R. Thompson, Gettysburg.	13.00	12.63	12.00
		Average, -----	12.68	12.72	-----
	HONESDALE MILLING COMPANY, HONESDALE, PA.				
6769	*Poultry Mash, -----	Honesdale Milling Company, Honesdale.	9.65	18.15	-----

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
4.50	4.00	5.02	5.00	6 00	Corn feed meal, oat flour, barley flour, wheat middlings, corn gluten feed, meat scraps, bone flour, alfalfa flour, dried buttermilk, calcium carbonate and salt.	As certified, -----	6203
4.35	-----	5.26	-----	5 75			
4.90	4.00	6.95	9.00	5 00	Corn feed meal, ground oats, wheat bran, wheat middlings, linseed oil meal, meat scraps, alfalfa meal, dried buttermilk and not over 5% calcium carbonate.	Found also corn gluten feed, ground Kaffir corn and bone meal.	6588
5.05	-----	9.12	-----	4.50	Wheat bran, wheat middlings, corn meal, ground oats, meat scrap, alfalfa meal, corn gluten, calf meal, charcoal and fine salt.	Linseed oil meal, wheat bran, wheat middlings, corn meal, ground oats, meat scrap, alfalfa meal, corn gluten feed, charcoal and salt.	6146
5.00	4.50	5.62	6.00	4 60	Linseed oil meal, corn gluten feed, bone meal, ground corn, oat midds, wheat midds, and wheat bran (with mill run screenings), hominy feed, rolled oats and ground peas.	Found also rye middlings.	6525
5.68	4.50	5.65	6.00	4.30	Linseed oil meal, corn gluten feed, bone meal, ground corn, oat midds and wheat bran with mill run screenings, hominy feed, rolled oats, ground peas.	Corn gluten feed and ground peas not detected.	6038
6.51	4.50	5.72	6.00	4 50	Linseed oil meal, corn gluten feed, bone meal, ground corn, oat midds, wheat midds and wheat bran (with mill run screenings), hominy feed, rolled oats, ground peas.	As certified, -----	5835
5.73	-----	5.66	-----	4 47			
2.38	3.00	1.32	6.00	5 00	Cracked corn, cut oat meal, cracked wheat, cracked Kaffir corn, cracked peas.	Cracked peas not detected.	6212
2.75	3.00	1.15	6.00	4 50	Cracked corn, cut oat meal, cracked wheat, cracked Kaffir corn, cracked peas.	Cracked peas not detected.	5833
2.57	-----	1.23	-----	4 75			
4.73	-----	6.48	-----	3 25	Wheat bran, wheat middlings, gluten, oil meal, ground oats and corn meal.	As certified. Oil meal identified as linseed oil meal.	6769

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Exporter and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6735	KERR MILLING CO., TITUSVILLE, PA. *Fills the Bill Laying Mash, -----	% Kerr Milling Co., Titusville.	9.25	22.75	-----
6082	CHAS A. KRAUSE MILLING CO., MILWAUKEE, WIS. Badger Laying Mash, -----	Altoona Feed Mills, Altoona.	11.05	18.63	18.00
6233	Badger Laying Mash, -----	The G. F. Musser Co., Bellefonte.	10.07	21.56	18.00
		Average, -----	10.56	20.10	-----
6067	LANCASTER MILL & ELEVATOR CO., LANCASTER, PA. Lancaster Laying Mash, -----	V. E. Bond Estate, Upper Darby.	6.32	22.75	20.00
6030	W. W. McCULLOUGH, WEST BRIDGEWATER, PA. *Chicken Mash, -----	W. W. McCollough, West Bridgewater.	8.37	20.81	15.00
6510	C. P. MATTHEWS & SONS, INC., SCRANTON, PA. Poultry Mash, -----	C. P. Matthews & Sons, inc., Wilkes-Barre.	9.80	20.63	17-20
6441	Poultry Mash, -----	C. P. Matthews & Sons, Inc., Scranton.	8.45	17.44	17.00
		Average, -----	9.12	19.04	-----
6753	MINER-HILLARD MILLING CO., WILKES-BARRE, PA. Poultry Mash, -----	Miner-Hillard Milling Co., Plymouth.	8.65	14.31	13.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
6.68	-----	6.67	-----	3 50	Ground oats, corn meal, meal, wheat middlings, wheat bran, linseed oil meal, alfalfa, beef scrap, salt.	As certified, -----	6735
4.15	3.25	8.82	10.00	4 75	Wheat bran, wheat middlings with ground screenings not exceeding mill run, maize red dog flour, corn feed meal, alfalfa meal, meat scrap, corn germ meal and hominy feed.	Found also Kaffir corn, -----	6682
4.58	3.50	8.30	10.00	4 35	Wheat bran, wheat middlings, maize red dog flour, corn feed meal, alfalfa meal, meat scraps, corn germ meal and hominy feed.	As certified, -----	6233
4.37	-----	8.56	-----	4.55			
5.58	5.00	4.57	7.00	4.50	20% beef and fish scrap, gluten meal, cotton seed meal, oil cake meal, alfalfa meal, wheat bran, wheat middlings, corn meal, ground grain screenings, oats chop, ground barley and hominy feed.	As certified, -----	6067
5.70	3.00	10.75	10.00	3.75	Gluten, Lake Shore Dairy Feed, bran, ground oats, middlings, oil meal, tankage, meat and bone scrap, Big Q Dairy Ration, charcoal, Schumacher Chop, corn meal, red dog, alfalfa meal.	Corn gluten feed, cottonseed meal, wheat bran, corn bran, malt sprouts, ground oats, wheat middlings, linseed oil meal, tankage, meat and bone scrap, charcoal, corn meal, alfalfa meal and red dog flour.	6030
4.20	4.00	8.17	10.00	3.80	Gluten, wheat midds, wheat bran, corn meal, linseed meal, alfalfa meal and beef scrap.	Found also ground buckwheat.	6610.
4.30	3-4	9.00	10-12	4 60	Gluten, white middlings, white bran, corn meal, linseed meal, alfalfa meal and beef scrap.	As certified, -----	6441
4.25	-----	8.58	-----	3.90			
5.18	4.00	10.15	10.00	3 25	Ground peas, alfalfa meal, wheat bran, wheat middlings, hominy feed, buckwheat middlings, ground oats.	Ground peas not detected. Found also barley. Kaffir corn and small amount small whole weed seeds.	6753

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6446	Poultry Mash, -----	Miner-Hillard Milling Co., Wilkes-Barre.	% 10.50	% 14.31	% 13.00
		Average, -----	9.57	14.31	-----
6447	Superior Growing Feed, -----	Miner-Hillard Milling Co., Wilkes-Barre.	9.30	18.44	18-20
	NOWAK MILLING CORPORATION, BUFFALO, N. Y.				
5990	Domino Justice Laying Mash, -----	Muth Brothers, Elizabeth- town.	7.60	22.06	20.00
	THE PARK & POLLARD CO. OF ILL., CHICAGO, ILL.				
6058	Lay or Bust Dry Mash, -----	Canonsburg Milling Co., Canonsburg.	9.89	19.69	18.00
6645	Lay or Bust Dry Mash, -----	J. M. Porter, Sharon, --	8.25	19.63	18.60
		Average, -----	9.07	19.66	-----
	PHELPS & SIBLEY CO., CUBA, N. Y.				
6601	Favorite Poultry Mash, -----	O. Ditchburn's Sons, Car- bondale.	9.42	18.06	17.00
	PRATT FOOD COMPANY, PHILA- DELPHIA, PA.				
6351	Buttermilk Baby Chick Food, -----	H. O. Jackson Supply Co., Lewistown.	9.86	12.81	11.50
5814	Pratt's Milk Egg Mash, -----	H. J. Klingler & Co., Butler.	8.92	22.13	20.00

† Excluded from Average.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Pound.	%	Pound.	%				
4.53	4.00	8.30	10.00	4.50	Ground peas, alfalfa meal, wheat bran, wheat middlings, hominy feed, buckwheat middlings, ground oats.	As certified, -----	6446
4.86	-----	9.22	-----	3.88	-----	-----	-----
6.45	6.8	7.22	6.8	4.50	Wheat bran, wheat middlings, hominy feed and beef meal.	As certified, -----	6447
4.68	3.00	8.37	10.00	4.00	Linseed oil meal, ground oats, wheat flour, wheat bran, wheat middlings, corn feed meal, corn gluten feed, alfalfa meal, ground bone and meat scrap.	As certified, -----	5990
4.53	1.50	9.40	12.00	4.50	Ground wheat, barley, Kafir corn, milo maize, oats, alfalfa meal, grain screenings, buckwheat grits, wheat bran with mill run screenings, wheat middlings, meat, bone, calcium phosphate, dried fish, calcium carbonate, limestone, salt.	Buckwheat grits, Kafir corn and milo maize not detected. Found also buckwheat middlings, cocoa shell meal, corn feed meal and corn gluten feed.	6058
4.73	1.50	7.27	12.00	5.00	Ground wheat bran with mill run of screenings, wheat middlings, corn, wheat, oats, barley, Kafir corn, buckwheat alfalfa, fish, meat, bone, beet pulp, calcium carbonate and salt.	Found also cottonseed meal and ground peas.	6645
4.63	-----	8.33	-----	4.75	-----	-----	-----
4.55	3.00	8.40	9.00	4.25	Linseed meal, meat scrap, alfalfa meal, gluten feed (corn product), ground oats, wheat middlings, corn meal, wheat bran, small quantity of charcoal and salt.	As certified, -----	6601
3.45	3.50	4.15	3.80	15c per pkg.	Powdered buttermilk, corn meal, wheat middlings, oat meal, cooked wheat, epsom salts, bone meal, millet, rape.	As certified, -----	6351
8.25	3.00	5.53	10.00	4.65	Dried milk, albumen, corn meal, wheat flour, wheat middlings, wheat bran, ground oats, alfalfa meal, digester tankage, calcium phosphate and salt.	As certified, -----	5814

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Protein.		
			Moisture.	Found.	Guaranteed.
	THE QUAKER OATS CO., CHICAGO, ILL.				
6068	Ful-o-Pep Dry Mash, -----	V. E. Bond Estate, Upper Darby.	% 8.72	% 23.19	% 20.00
6261	Ful-o-Pep Dry Mash, -----	Davidson Brothers, Bedford.	8.82	22.06	20.00
6552	Ful-o-Pep Dry Mash, -----	R. R. Ikeler, Bloomsburg,	9.07	19.09	20.00
6341	Ful-o-Pep Dry Mash, -----	Keystone Mills Co., Fredericktown.	9.20	20.50	20.00
6837	Ful-o-Pep Dry Mash, -----	A. K. Kulp, Pottstown,	8.32	24.56	20.00
6467	Ful-o-Pep Dry Mash, -----	A. C. Snyder & Son, Clarion.	9.75	20.38	20.00
Average, -----			8.98	21.73	-----

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Pound.	Guaranteed.	Pound.	Guaranteed.				
%	%	%	%	\$			
5.43	4.00	7.89	10.00	4 65	Meat scraps, fish meal, oat meal, alfalfa meal, wheat bran (with ground screenings not exceeding mill run), bone meal, cottonseed meal, yellow hominy feed, hominy feed, corn gluten feed, ground grain screenings.	Found also small weed seeds.	6068
5.60	4.00	8.07	10.00	5.00	Meat scraps, fish meal, oat meal, alfalfa meal, wheat bran (with ground screenings not exceeding mill run), bone meal, cottonseed meal, yellow hominy feed, hominy feed, corn gluten feed, ground grain screenings.	As certified, -----	6261
5.38	4.00	7.92	10.00	5 00	Meat scraps, fish meal, oat meal, alfalfa meal, wheat bran (with ground screenings not exceeding mill run), bone meal, cottonseed meal, yellow hominy feed, hominy feed, corn gluten feed, ground grain screenings.	As certified, -----	6532
5.78	4.00	8.05	10.00	5 25	Meat scraps, fish meal, oat meal, alfalfa meal, wheat bran (with ground screenings not exceeding mill run), bone meal, cottonseed meal, yellow hominy feed, hominy feed, corn gluten feed, ground grain screenings.	As certified, -----	6341
6.38	4.00	7.99	10.00	4 25	Meat scraps, fish meal, oat meal, alfalfa meal, wheat bran (with ground screenings not exceeding mill run), bone meal, cottonseed meal, yellow hominy feed, hominy feed, corn gluten feed, ground grain screenings.	Found also millet seed	6837
5.18	4.00	7.87	10.00	6.00	Meat scraps, fish meal, oat meal, alfalfa meal, wheat bran (with ground screenings not exceeding mill run), bone meal, cottonseed meal, yellow hominy feed, hominy feed, corn gluten feed, ground grain screenings.	As certified, -----	6467
5.63	-----	7.95	-----	5 03			

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6361	Ful-o-Pep Growing Mash, -----	Lewistown Ice and Storage Co., Lewistown.	% 8.75	% 19.25	% 17.00
6465	Ful-o-Pep Growing Mash, -----	A. C. Snyder & Son, Clarion,	8.42	18.44	17.00
		Average, -----	8.58	18.85	-----
6771	RALSTON PURINA CO., INC., BUFFALO, N. Y. Purina Chicken Chowder Feed with Charcoal not over 1%.	Honesdale Milling Company, Honesdale.	7.25	20.63	19.00
6246	Purina Chicken Chowder Feed with Charcoal not over 1%.	Huntingdon Milling Co., Huntingdon.	10.45	21.56	19.00
6229	Purina Chicken Chowder Feed with Charcoal not over 1%.	E. E. Wentz, Lock Haven,	10.40	21.56	19.00
		Average, -----	9.36	21.25	-----
6278	Purina Chicken Fatena Feed, -----	Chas. O. Salberg, Ridgeway.	9.82	15.75	9.00
6354	Purina Chicken Fatena Feed, -----	T. F. Wilson, Irwin, ----	9.32	14.81	12.00
		Average, -----	9.57	15.28	-----
6495	ROSENBAUM BROTHERS, CHICAGO, ILL. Vitality Chick Mash, -----	J. L. Moore, Llanerch, --	9.60	16.75	16.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
5.10	5.25	11.72	9.00	5.50	Meat scraps, oat meal, fish meal, wheat bran (with ground screen-exceeding mill run), alfalfa meal, corn gluten feed, bone meal, hominy feed, yellow hominy feed, ground puffed wheat, ground corn puff.	As certified, -----	6361
4.58	5.25	4.27	9.00	6.00	Meat scraps, oat meal, fish meal, wheat bran (with ground screenings not exceeding mill run), alfalfa meal, hominy feed, yellow hominy feed, ground puffed wheat and ground corn puff.	As certified, -----	6465
4.84	-----	7.99	-----	5 75			
5.48	4.00	9.25	10.00	4 50	Wheat middlings, wheat bran, gluten feed from corn, corn meal, alfalfa flour, linseed flour, granulated meat, charcoal, not over 1% salt.	As certified, -----	6771
4.53	4.00	9.30	10.00	5 25	Wheat middlings, wheat bran, gluten feed from corn, corn meal, alfalfa flour, linseed flour, granulated meat, charcoal, not over 1% salt.	Linseed flour identified and linseed oil meal.	6246
4.13	4.00	8.82	9.00	4 75	Wheat middlings, wheat bran, gluten feed from corn, corn meal, alfalfa flour, linseed flour, granulated meat, charcoal, not over 1% salt.	As certified, -----	6229
4.17	-----	9.12	-----	4 83			
6.65	5.00	7.22	9.00	5 00	Ground oats, ground corn, Kaffir meal, barley meal, corn germ meal, wheat middlings, linseed meal and ground sunflower seed.	Ground sunflower seed not detected.	6275
6.45	6.00	7.35	9.00	4 50	Ground oats, ground corn, Kaffir meal, barley meal, corn germ meal, wheat middlings, linseed meal and ground sunflower seed.	Kaffir corn meal and ground sunflower seed not detected.	6554
6.55	-----	7.28	-----	4 75			
3.42	4.00	5.85	8.00	5 00	Milk albumen, ground oats, ground barley, corn feed meal, flour middlings, old process linseed oil meal, alfalfa meal, bone meal, 1½% calcium carbonate.	As certified, -----	6495

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Protein.		
			Moisture.	Found.	Guaranteed.
5973	Vitality Egg Mash with Milk Albumen.	R. S. Altman, Irwin, ----	% 9.47	% 21.90	% 18.00
6496	Vitality Egg Mash with Milk Albumen.	J. L. Moore, Llanerch, --	9.67	19.25	18.00
	SCUREMAN MILLING COMPANY, WILKES-BARRE, PA.	Average, -----	9.57	20.13	-----
6755	Tip Top Poultry Mash, -----	Scureman Milling Company, Wilkes-Barre.	9.15	16.75	13.06
	TIOGA MILL & ELEVATOR CO., WAVERLY, N. Y.				
5793	Ti-O-Ga Laying Food, -----	C. A. Jayne, Skinners Eddy.	9.40	20.31	17.00
	THE TOLEDO GRAIN & MILLING CO., TOLEDO, OHIO.				
6165	Camp's Red Ball Egg Mash, -----	Centre Milling Co., Phillipsburg.	9.75	15.56	16.90
5231	Camp's Red Ball Egg Mash, -----	Richey & McFarland, Carnegie.	8.85	16.94	16.00
		Average, -----	9.30	16.25	-----
	THE UBICO MILLING CO., CINCINNATI, OHIO.				
6635	Ubiko Buttermilk Egg Mash, -----	John B. Curry Estate, Swatara.	8.67	20.63	19.00
	A. L. VANDERVORT, LACEYVILLE, PA.				
6790	*Vandervort's Laying Mash for Poultry.	A. L. Vandervort, Laceyville.	7.77	20.50	18.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Pound.	Guaranteed.	Pound.	Guaranteed.				
%	%	%	%	\$			
4.68	4.00	7.07	10.00	4 50	Milk albumen, meat scraps, old process linseed oil meal, corn feed meal, wheat bran, wheat middlings, ground oats, alfalfa meal, bone meal, 6% calcium carbonate and ground barley.	As certified, -----	5973
4.55	4.00	7.97	10.00	4 75	Milk albumen, meat scraps, old process linseed oil meal, corn feed meal, wheat bran, wheat middlings, ground oats, alfalfa meal, bone meal, 6% calcium carbonate and ground barley.	As certified, -----	6496
4.62	-----	7.52	-----	4 63			
5.00	4.00	7.51	16.00	3 50	Bran, brown middlings, corn meal, oil meal, alfalfa, ground oats and beef scrap.	Found also small amount ground grain screenings. Oil meal identified as linseed oil meal.	6755
4.65	2.50	4.04	6.60	3 40	Wheat middlings, old process linseed oil meal, meat and bone scrap, corn gluten meal, hominy feed, wheat bran, corn feed meal, barley, phosphate of lime, Kaffir corn meal, cocoanut oil meal and corn gluten feed.	As certified, -----	6793
3.70	4.50	9.05	7.50	4 00	Ground wheat middlings, wheat bran, corn meal, gluten feed, alfalfa feed, beef scraps, oil meal and charcoal.	As certified, -----	6166
4.08	4.50	7.67	7.50	4 00	Ground wheat middlings, wheat bran, corn meal, gluten feed, alfalfa feed, beef scraps, oil meal and charcoal.	As certified, -----	5931
3.89	-----	8.36	-----	4 00			
4.13	3.00	6.35	6.00	4 50	Meat meal, bone meal, corn meal, wheat bran and middlings, whole ground oats, gluten feed, O. P. linseed meal and dried butter-milk.	As certified, -----	6635
5.24	4.50	7.72	7.00	3 35	Ground corn, ground oats, wheat bran, brown middlings, corn gluten feed, red dog flour, alfalfa meal and high grade meat scraps.	As certified, -----	6790

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
ANIMAL BY-PRODUCTS.					
BLOOD MEAL.					
JACOB DOLD PACKING CO., BUFFALO, N. Y.					
5858	Dold Quality Soluble Blood, -----	Brown & Fassett, Montrose.	% 13.15	% 84.81	% 85.00
MEAT AND BONE SCRAP.					
THE AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK, N. Y.					
6238	Protex Pure Ground Meat Scraps,-----	H. J. Hockman, Bellefonte.	6.85	49.44	55.00
THE BERG COMPANY, PHILA- DELPHIA, PA.					
6824	Berg's 3 Medal Poultry Meat, -----	Duncannon Flouring Mill Co., Duncannon.	5.12	41.25	40.00
6183	Berg's 3 Medal Poultry Meat, -----	A. C. Godshall & Co., Inc., Lansdale.	5.50	39.50	40.00
6280	Berg's 3 Medal Poultry Meat, -----	Smith Brothers Co., Ridgeway.	5.95	38.63	40.00
5845	Berg's 3 Medal Poultry Meat, -----	C. M. Wolf, Gettysburg.	6.37	42.69	40.00
			Average, -----	5.73	40.52
CONSOLIDATED DRESSED BEEF CO., PHILADELPHIA, PA.					
5846	Consolidated Beef and Bone Scrap,--	C. M. Wolf, Gettysburg,	6.90	49.56	45-50
DARLING & COMPANY, CHICA- GO, ILL.					
6518	Darling's Meat Scraps for Poultry,--	J. H. Lavery's Sons, Franklin.	10.55	58.31	50.00
5926	Darling's Meat Scraps for Poultry,--	Richey & McFarland, Carnegie.	7.40	58.13	50.00
			Average, -----	8.97	58.22
JACOB DOLD PACKING CO., BUF- FALO, N. Y.					
6636	Dold Quality Meat & Bone Scraps,--	John B. Curry Estate, Swatara.	6.37	49.19	50.00
6210	Dold Quality Meat & Bone Scraps.	Smith Brothers, Bradford,	7.37	50.50	45.00
			Average, -----	6.87	49.85
EZL. DUNWOODY CO., PHILA- DELPHIA, PA.					
6070	*Beef Scraps, -----	V. E. Bond Estate, Upper Darby.	5.65	41.56	40-55
JOHN W. ESHELMAN, LANCAS- TER, PA.					
6390	Meat Scrap, -----	Elmer Eby, Lititz, -----	7.99	52.54	55.00
HALES & HUNTER CO., CHI- CAGO, ILL.					
6845	*Meat Scraps for Poultry, -----	Keystone Supply Co., Jeannette.	6.75	49.56	45-50
THE PHILADELPHIA SEED CO., INC., PHILADELPHIA, PA.					
6561	*Meat and Bone Scraps, -----	The White Milling Co., Bloomsburg.	5.37	52.38	40.00
ROBERT A. REICHARD, ALLEN- TOWN, PA.					
6553	Reichard's High Grade Beef Scrap,--	R. R. Ikeler, Bloomsburg,	6.60	58.94	55.00

*Not Registered.

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Pound.	Guaranteed.	Pound.	Guaranteed.				
%	%	%	%	\$			
0.99	-----	0.69	5.00	7 50	-----	Blood meal, -----	5858
16.08	10.00	1.15	-----	7 00	-----	Meat scrap, -----	6238
17.41	11.00	1.95	3.00	5 50	-----	Meat and bone scrap, -----	6824
12.03	11.00	1.65	3.00	5 50	-----	Meat and bone scrap, -----	6488
13.33	11.00	2.62	3.00	11 00	-----	Meat and bone scrap, -----	6286
14.99	11.00	2.26	3.00	5 00	-----	Meat and bone scrap, -----	5845
14.44	-----	2.12	-----	6 75	-----		
11.62	12.00	1.91	2.00	5 00	-----	Meat and bone scrap, -----	5846
6.50	0.50	3.35	3.00	7.50	Meat product, -----	As certified, -----	6518
8.18	0.50	1.92	3.00	7 00	Meat product, -----	As certified, -----	5926
7.34	-----	2.63	-----	7.25	-----		
6.88	8.00	1.67	5.00	6 50	-----	Meat and bone scrap. ----- Found also trace of glass.	6636
12.53	8.60	1.95	5.00	5 25	-----	Meat and bone scrap, -----	6210
9.71	-----	1.81	-----	5 88	-----		
14.40	10-15	2.30	-----	6.60	-----	Meat and bone scrap, -----	6670
11.55	10.00	1.37	2.00	7 00	-----	Meat scrap, -----	6890
12.14	10.00	2.60	3.00	6 00	-----	Meat scrap, -----	6845
11.70	10.00	1.25	2.00	5 50	Meat and bone scraps.	As certified, -----	6561
12.90	10.00	1.07	3.00	7.00	-----	Meat scrap, -----	6553

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Protein.		
			Moisture.	Found.	Guaranteed.
	SWIFT & CO., CHICAGO, ILL.		%	%	%
6057	Swift's Laymore Meat and Bone Scraps.	Canonsburg Milling Co., Canonsburg.	7.25	47.00	45.00
6801	Swift's Laymore Meat and Bone Scraps.	Dayton Milling Company, Towanda.	5.15	49.94	45.00
		Average, -----	6.20	48.47	-----
	THE VAN IDERSTINE CO., LONG ISLAND CITY, N. Y.				
5893	Van Iderstine's High Protein Meat Scraps for Poultry.	John W. Eshelman & Sons, Lancaster.	4.77	57.75	55.00
5893	Van Iderstine's Pure Ground Meat Scraps for Poultry.	John W. Eshelman & Sons, Lancaster.	4.02	53.16	45.00
6435	Van Iderstine's Pure Ground Meat Scraps for Poultry.	Eulalia Milling Co., Inc., Coudersport.	6.27	51.06	45.00
		Average, -----	5.14	52.11	-----
		Total average, -----	6.41	49.05	-----
	FISH SCRAP.				
	JOHN W. ESHELMAN & SONS, LANCASTER, PA.				
5910	Fish Scraps, -----	John W. Eshelman & Sons, Lancaster.	7.55	47.25	45.00
	GREENE CHICK FEED CO., MARBLEHEAD, MASS.				
5937	Greene's Poultry Scraps, -----	The I. W. Scott Co., Pittsburgh.	6.90	30.44	23.35
		Average, -----	7.22	38.85	-----
	TANKAGE.				
	THE BERG CO., PHILADELPHIA, PA.				
6369	Digester Tankage, -----	Spanogle - Yeager Milling Co., Lewistown.	5.82	26.81	40.00
	CHICAGO FEED & FERTILIZER CO., CHICAGO, ILL.				
6517	Magic Digester Hog Tankage, -----	J. H. Lavery's Sons, Franklin.	7.90	59.44	60.00
	JACOB DOLD PACKING CO., BUFFALO, N. Y.				
6388	Dold Quality Digester Tankage, -----	Elmer Eby, Lititz, -----	10.34	65.66	60.00
6182	Dold Quality Digester Tankage, -----	T. K. George, Homer City.	9.75	66.06	60.00
		Average, -----	10.04	65.86	-----
	HAFLEIGH RENDERING COMPANY, PHILADELPHIA, PA.				
6701	Hafleigh 40% Digester Tankage, -----	E. C. Noll, Lewisburg, --	5.47	39.06	40.00
	A. F. REES, HANOVER, PA.				
6631	Rees' Pure High Protein Tankage, ---	John B. Curry Estate, Swatara.	5.32	41.50	49.25
6384	Rees' Pure High Protein Tankage, ---	Quarryville Farmers Association, Quarryville.	4.95	37.00	49.25
		Average, -----	5.13	39.25	-----
	ROBERT A. REICHARD, ALLENTOWN, PA.				
6554	Reichard's 40% Meat and Bone Tankage.	R. R. Ikeler, Bloomsburg,	5.45	40.94	40.00

FEEDING STUFFS COLLECTED IN 1920—Continued.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Pound.	Guaranteed.	Pound.	Guaranteed.				
%	%	%	%	\$			
10.68	6.00	1.57	3.00	5 50	-----	Meat and bone scrap,	6057
13.98	6.00	1.57	3.00	6 25	-----	Meat and bone scrap,	6501
12.33	-----	1.57	-----	5 88			
10.40	5.00	1.70	3.00	6 25	-----	Meat scrap and small amount peanut skins.	5893
10.63	5.00	2.72	3.00	5 65	-----	Meat scrap and small amount peanut skins.	5892
9.60	5.00	3.00	3.00	6 50	-----	Meat scrap,	6435
10.12	-----	2.86	-----	6 08			
11.90	-----	1.97	-----	6 35			
5.00	2.00	3.05	1.00	5 40	-----	Fish scrap,	5910
5.90	5.16	4.55	-----	5 00	Fish meat, bone, lime and salt.	Fish and bone scrap with salt.	5937
2 45	-----	3.80	-----	5 20			
15.98	10.00	3.87	5.00	6 50	-----	Meat and bone tankage.	6369
6.45	2.00	1.50	3.00	7 20	-----	Tankage,	6517
5.61	8.00	1 77	5.00	6 40	-----	Tankage,	6388
5.73	8.00	2.62	5.00	6.50	-----	Tankage containing large amount of fibrous vegetable residue.	6182
5.67	-----	2.19	-----	6 45			
13.42	10.00	1.55	2.00	6 00	-----	Tankage,	6701
13.76	17.25	3.05	1.72	5 25	-----	Tankage,	6631
16.05	17.25	3.80	1.72	5 00	-----	Tankage,	6384
14.91	-----	3.42	-----	5 13			
15.08	10.00	6.05	6.00	5 50		Meat and bone tankage.	6554

TABLE III.—ANALYSES OF SAMPLES OF

Chemist's number.	Name and Address of Manufacturer or Importer and Brand Name.	Sampled From	Moisture.	Protein.	
				Found.	Guaranteed.
6862	SWIFT & COMPANY, CHICAGO, ILL. Swift's Gromeal for Hogs, -----	Dayton Milling Company, Towanda. Total average, -----	% 7.50 6.94	% 50.50 47.44	% 50.00 -----
3350	CONDIMENTAL STOCK AND POULTRY FOOD. BLANK & GOTTSHALL, SUN- BURY, PA. B. & G.'s Baby Chick Feed, -----	H. C. Jackson Supply Co., Lewistown.	7.57	13.81	14.00
5885	SECURITY FOOD CO., MINNE- APOLIS, MINN. *Security Food Compound for Calves and Little Pigs.	Hardy & Porter, Dunbar,	10.32	16.75	9.80

*Not Registered.

† Excluded from Average.

FEEDING STUFFS COLLECTED IN 1920.—Concluded.

Fat.		Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
%	%	%	%	\$			
11.82	3.00	1.95	5.00	5 25	-----	Tankage, -----	6802
11.53	-----	2.90	-----	5.96			
3.73	4.00	3.87	4.00	†10c per lb.	Wheat bran, wheat midds, shredded wheat, corn meal, hulled oats, ground Hen-E-Ta bone, granulated blood, linseed meal, potassium nitrate, sodium sulphate, ginger, gentian, foenugreek, iron sulphate, cayenne, salt, sulphur and charcoal.	Sulphur not detected,	6350
2 86	4.50	4.10	6.00	†20c per lb.	Locust beans, foenugreek, ginger, anise, sodium chloride, oxide iron, starch, sugar, corn flour, red dog, wheat middlings and powdered milk.	Locust bean, ginger and sugar not detected. Found also rye middlings.	5885

